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AN AMBIENT AIR QUALITY MODEL FOR  
ASSESSMENT OF U.S. NAVAL AVIATION EMITTANTS

G. R. Thompson and D. W. Netzer

September 1976

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Prepared for:  
Naval Air Propulsion Test Center  
Trenton, New Jersey

NAVAL POSTGRADUATE SCHOOL  
Monterey, California

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## TABLE OF CONTENTS

I.	INTRODUCTION-----	6
II.	MODEL OVERVIEW -----	11
III.	ADAPTATION REQUIREMENTS -----	17
IV.	ADAPTATIONS ACCOMPLISHED -----	22
V.	DATA ACQUISITION -----	28
VI.	RESULTS AND DISCUSSION -----	33
VII.	CONCLUSIONS AND RECOMMENDATIONS -----	53
APPENDIX A	Aircraft, Air Base, Environ and Total Grid Receptor Concentrations for case 2 -----	55
	LIST OF REFERENCES -----	99
	INITIAL DISTRIBUTION LIST -----	101

## LIST OF TABLES

I.	NAVY LTO MODES .....	13
II.	AIR BASE NON-AIRCRAFT EMISSION SOURCES .....	14
III.	POINT SOURCES AT NAS MIRAMAR .....	29
IV.	AREA SOURCES AT NAS MIRAMAR .....	30
V.	LINE SOURCES AT NAS MIRAMAR .....	31
VI.	ENVIRON SOURCES SURROUNDING NAS MIRAMAR .....	31
VII.	SIMULATIONS OF OPERATIONS AT NAS MIRAMAR .....	34
VIII.	METEOROLOGICAL AND TEMPORAL DATA .....	35
IX.	CASE 1 - SUMMARY OF AIRCRAFT SOURCE EMISSIONS --	37
X.	CASE 1 - SUMMARY OF AIR BASE SOURCE EMISSIONS --	38
XI.	CASE 1 - SUMMARY OF ENVIRON AND TOTAL SOURCE EMISSIONS .....	40
XII.	CASE 2 - SUMMARY OF ENVIRON AND TOTAL SOURCE EMISSIONS .....	42
XIII.	MAXIMUM 1-HOUR RECEPTOR CONCENTRATION (CHI) FROM <u>AIRCRAFT</u> SOURCES AT NAS MIRAMAR .....	45
XIV.	MAXIMUM 1-HOUR RECEPTOR CONCENTRATION (CHI) FROM <u>AIR BASE</u> SOURCES AT NAS MIRAMAR .....	47
XV.	AMBIENT AIR QUALITY STANDARDS .....	49
XVI.	MAXIMUM 1-HOUR RECEPTOR CONCENTRATION (CHI) FROM <u>ENVIRON</u> SOURCES NEAR NAS MIRAMAR .....	50
XVII.	MAXIMUM 1-HOUR RECEPTOR CONCENTRATION (CHI) FROM <u>TOTAL</u> SOURCES ABOUT NAS MIRAMAR .....	52

## LIST OF FIGURES

1. IFR Approach and Departure -----	18
2. VFR Flight Simulations -----	19
3. Helicopter Flight Simulations -----	23
4. Naval Air Station Miramar, General Development Map -----	46

## I. INTRODUCTION

Public awareness of the environment and its quality, and governmental concern for the public health and welfare, have resulted in substantial environmental legislation in the last fifteen years. Federal air quality legislation culminated in 1970 with the creation of the Environmental Protection Agency (EPA). This agency was charged with developing and implementing national air quality standards. In 1971 air quality standards were prescribed for carbon monoxide, hydrocarbons, nitrogen dioxide, particulate matter, sulfur dioxide and photochemical oxidants [Ref. 1].

Both the Air Quality Act of 1967 and the Clean Air Act of 1970 refer to aircraft emissions as a possible source contributing to air pollution. In 1973 emission standards and test procedures were prescribed for commercial aircraft engines by the EPA [Ref. 2]. The EPA was concerned with pollution of the lower atmosphere by combustion products produced by commercial aircraft. The lower atmosphere was defined to extend from ground level to three thousand feet. Aircraft operations were defined in terms of a landing and take off operational cycle time-in-mode (LTO). Techniques were prescribed for measuring emissions during a simulated LTO, and engine specifications were defined by engine thrust category based on engine type and date of manufacture.

The goal of the EPA is the prevention of degradation of ambient air quality. An accurate quantification of emissions and their distribution throughout a local environment is required to assess the impact of any emission source on air quality. Once quantification is accomplished, the predicted ambient air quality can be compared to EPA requirements, and control procedures, if warranted, can be instituted by the operating agency/corporation. Mathematical models which simulate aircraft, air base and off air base activities provide the most flexible approach to quantifying emissions by source and to distributing these emissions over a grid of receptors for determination of ambient air quality.

There have been several major modeling efforts which are concerned with air quality as affected by aircraft operations. An early model was developed by Northern Research and Engineering Corporation (NREC) [Ref. 3]. This model provided the basis for development of the GEOMET Model [Ref. 4]. The GEOMET Model significantly modified and improved the NREC model and has been validated to some extent by measurements at the Washington National Airport. Military air operations may differ significantly from civilian air operations. To this end Argonne National Laboratory has been contracted by the USAF to develop a computer model based on the TRW "Air Quality Display Model" (AQDM) [Ref. 5] to estimate the concentrations of pollutants throughout a theoretical grid of receptors over a period of time. Under this contract Argonne has developed a preliminary version of "A Generalized Air Quality



Assessment Model for Air Force Operations"(AQAM), which brings together several models of different pollution sources and will serve as a device for assessing environmental air quality [Ref. 6].

The above models include emission and dispersion programs. There are some differences between the GEOMET and AQAM models. These differences are primarily in the areas of source representation and dispersion parameter specification.

Argonne's original contract included 12 specific tasks [Ref. 6]. Among them was a generalization and update modification of AQDM to obtain long-term average calculations which included military aircraft landings and take-offs as a source of emissions. In addition they were to develop a short-term model which performed hourly calculations and an inventory model which summarized annual emissions at an activity by source.

Standards proposed by the EPA for civil aviation do not apply to the military. However both the United States Air Force (USAF) and the United States Navy (USN) have, in a spirit of cooperation, proceeded to establish a data base for engine emissions [Ref. 7 and 8] and to specify LTO cycles consistent with their respective aircraft operations [Ref. 9 and 10].

The USAF data base and LTO cycles were incorporated into the air quality assessment model developed by Argonne. This model may be used to assess the impact on air quality of aircraft operations, to evaluate the effect of modifications

of aircraft operations on air quality, to determine the qualitative importance of aircraft, air base and environ (off air base) emission sources, to provide an estimate of local ambient air quality and to optimize the location of receptors for model verification.

"Liason between the Air Force Weapons Laboratory at Kirkland AFB, New Mexico, the Naval Air Propulsion Test Center (NAPTC) at Trenton, New Jersey, and the Naval Postgraduate School, Monterey, California" stimulated USN interest in the capabilities of the Argonne model. Accordingly a copy of both the Source Inventory and Short-term pollution models were obtained for evaluation and adaptation to USN operations [Ref. 10].

Substantial modifications were made by LCDR Keith I. Weal to adapt the Argonne model to USN aircraft operations [Ref. 10]. An LTO cycle is defined by the number of operational modes required to complete the cycle. The EPA utilizes ten, and the USAF eleven, operational modes to define an LTO cycle. These cycles are restricted to a vertical plane and do not define operational modes which are peculiar to the USN. Reference 10 defines a USN LTO cycle to consist of sixteen operational modes including such USN vagaries as "hot refueling" and Field Carrier Landing Practice (FCLP). Naval aircraft operations are dictated, even when based ashore, by the demanding (often unforgiving) shipboard environment. This shipboard environment requires substantial low altitude, high intensity operations to ensure

combat readiness. Therefore, LCDR Weal expanded the simulations of aircraft flight from two to three dimensions.

The present study completed adaptation of the Argonne model to Navy operations and used this version of the model to assess the relationship between aircraft operations, air base activity and off air base activity on ambient air quality at the Miramar Naval Air Station (NAS).

## II. MODEL OVERVIEW

AQAM is composed of a Source Inventory Program, a Meteorological Data Program, a Short-term Emission Dispersion Program and a Long-term Emission Dispersion Program [Ref. 6]. The Source Inventory Program produces an annual source emission inventory and creates a data bank of temporal distribution arrays, source geometries, and source operational activity factors which are utilized by both the Long- and Short-term Programs. "The Short-term Program computes hourly average air pollutant concentrations using hourly average meteorological and emission data" [Ref. 6]. The Long-term Program computes monthly or annual average air pollutant concentrations utilizing emission data and historical meteorological records. The Meteorological Data Program is used only as input to the Long-term Program. Only the Source Inventory Program and the Short-term Emission Dispersion Program are being modified to provide an air quality assessment model for Naval air operations.

The Source Inventory Program computes the annual emissions of three categories of sources: aircraft, airbase but non aircraft, and environment (off air base). Each category is further divided by its geometric configuration into point sources, area sources and line sources [Ref. 10].

After the spatial configuration of the source is defined the emission plume is located in three-dimensional space and the mass emission rate of each pollutant emitted by the source is

determined from source activity data and appropriate emission factors [Ref. 6].

Aircraft sources which define the Navy LTO cycle are listed in Table I. Aircraft flight and taxi operations are simulated by finite line sources. Aircraft servicing, delays and pre-flight checks are simulated by area sources.

Aircraft sources include all emissions due directly to aircraft operations and servicing. The operational characteristics and servicing requirements of aircraft are dependent on aircraft type. Therefore, the emissions from aircraft operations and servicing are calculated from unique operational data which define various modes of operation and differentiate between aircraft types, taxi paths, parking areas, refueling procedures and runways.

Commercial and military air operations are always supported by an air base. Air base sources are defined as those sources producing emissions due directly to non-aircraft base activities and include all base support facilities, training facilities, service facilities, housing, vehicle parking areas and on-base roadways. Listed in Table II [Ref. 11] by geometric configuration are the non-aircraft sources encountered at most military air bases.

The environment which surrounds an air base must be accounted for in assessing air quality. "Environ" sources include all point, line and area sources which exist beyond the boundaries of the air base. Motor vehicle emissions are calculated from activity factors and may be specified as

TABLE I  
NAVY LTO MODES

<u>MODE OF OPERATION</u>	<u>SOURCE MODEL</u>
Startup	Area
Taxi out	Line
Take off delay*	Area
Engine check	Area
Runway (take off) roll	Line
Climb (1+2)	Line
Approach IFR	Line
Approach VFR*	Line
Landing	Line
Taxi in	Line
(Hot + Pit) refuel delay*	Area
Hot refuel*	Area
Shutdown	Area
(Arrival + Departure) servicing	Area
Fuel venting	Area
Fill + spill	Area
TGO pattern*	Line
FCLP pattern*	Line
Pad work*	Line
Hover work*	Area
Autorotation pattern*	Line

\*Modification to AQAM

TABLE II  
AIR BASE NON-AIRCRAFT EMISSION SOURCES  
(from Ref. 11)

<u>POINT</u>	<u>LINE</u>	<u>AREA</u>
Training Fires	Military Vehicle	Fuel, Working
Test Cells	Civilian Vehicle	Fuel, Spillage
Runup Stands	Other	Fuel Breathing
Power Plants		- Storage Tanks
Incinerators		- Tank Trucks
Large Storage Tanks		- Auto Parking
Other		Other Hydrocarbons
		Space Heating
		Off-Road Vehicles
		Military Vehicle
		Civilian Vehicle

area or line sources. All other environ sources (point, area and line) require data input of actual annual emissions by pollutant type in addition to spatial configuration data. Land use factors may be used for an order of magnitude estimate of environ area source emissions [Ref. 6].

Since aircraft, air base and environ emissions are inventoried by the Source Inventory Program, this program acts as a comprehensive model for calculation of annual emissions and provides a qualitative ranking of the importance of each source to air quality. The Source Inventory Program also produces the data bank containing source characteristics, annual emission rates and temporal distribution activity which is utilized by the Short-term Program.

The Short-term Program "receives the compiled annual results of the Source Inventory Program and calculates the dispersion of generated pollutants during a given hour, day and month utilizing average meteorological conditions for that hour" [Ref. 10].

Most emissions which have zero plume rise are classified as area or line sources. Those sources which exhibit plume rise are classified as point sources. Point source emissions require an input data set of physical and geometric parameters to define a plume in three-dimensional space with the exception of large storage tanks and run-up stands which are modeled as point sources without a plume rise. In general, point sources with vertical exhaust emissions are modeled by a Holland or Carson-Moses plume rise and those with horizontal



exhaust or evaporative transport are modeled without a plume rise.

Plume definition requires the input of many parameters. For example, point source data specified for test cells consist of the X,Y coordinates of the source, stack height, stack exit gas temperature, stack exit gas velocity, stack diameter, building height, and initial and vertical dispersion parameters. Line and area sources require less source physical definition since these sources are modeled without a plume rise. Line sources are specified by the length of the line and the activity which occurs on the line. Area sources are specified by the X,Y coordinates of the center of the area, the length of a side and the activity which occurs in the area. "Transport and dispersion of pollutant emissions are modeled using a steady state Gaussian plume formulation" in both the horizontal and vertical directions. Point sources are treated by a "virtual source technique," whereas line sources are treated by "analytical integration over the length of the line" and area sources are treated as "pseudo point sources located upwind of the actual area source" [Ref. 6]. The appropriate travel time or travel distance dispersion coefficients are used "to estimate lateral and vertical diffusion" and downwash rules are utilized to determine the effective emission height [Ref. 6]. The dispersal of pollutants over a grid of receptors allows comparison of ambient pollutant concentrations to air quality standards.

### III. ADAPTATION REQUIREMENTS

Military aviation differs considerably from commercial aviation in landing and departure evolutions. In addition, USN flight evolutions differ from USAF flight evolutions due to "the dissimilar operational landing facilities used by the two services" and the different training requirements imposed by the dissimilar missions of the two services. "A USAF aircraft always utilizes a runway or other prepared surface for takeoffs and landings, as opposed to Naval aviation's use of the comparatively small aircraft carrier" [Ref. 10].

Both the EPA's and USAF's LTO cycles confine all flight operations in one vertical plane [Ref. 2, 8, and 9]. Reference 10 stipulates that flight operations occur in a vertical plane only when Instrument Flight Rules (IFR) are in effect and that flight operations are best simulated by three-dimensional models when Visual Flight Rules (VFR) are in effect. Figures 1 and 2 depict IFR and VFR aircraft operations.

The three-dimensional LTO cycle required to adequately simulate VFR approaches, touch and go (TGO) training cycles and Field Carrier Landing Practice (FCLP) is developed in Ref. 10. The development of the three-dimensional LTO cycle provides more realistic estimates of the total emissions due to aircraft operations. In addition, for Navy operations,

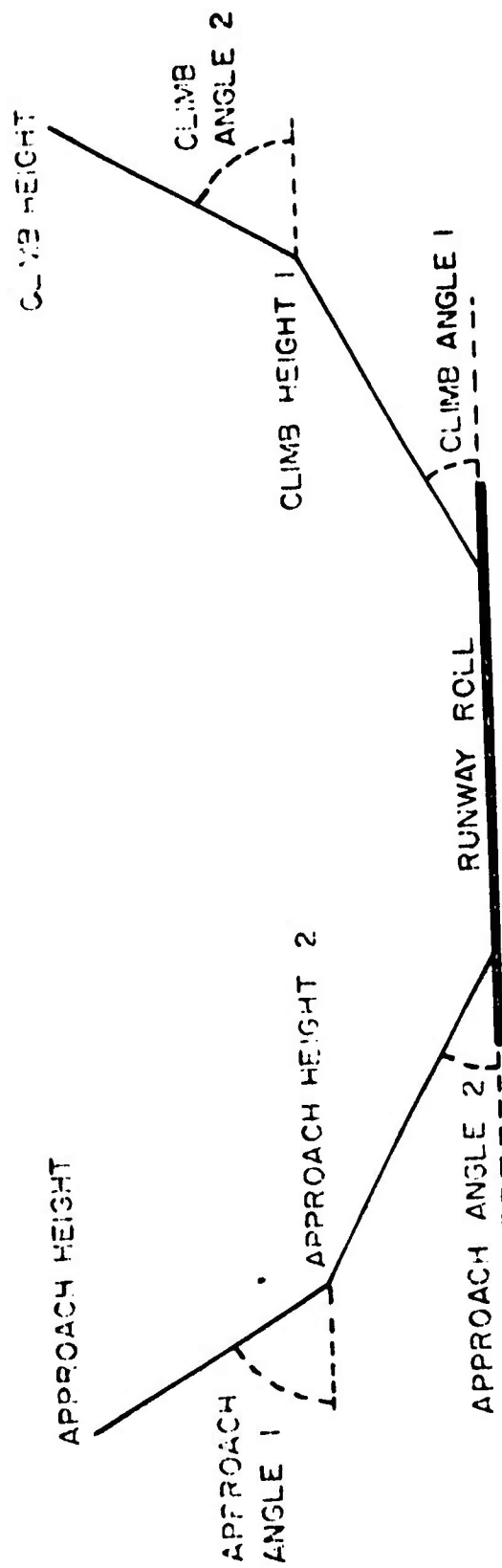
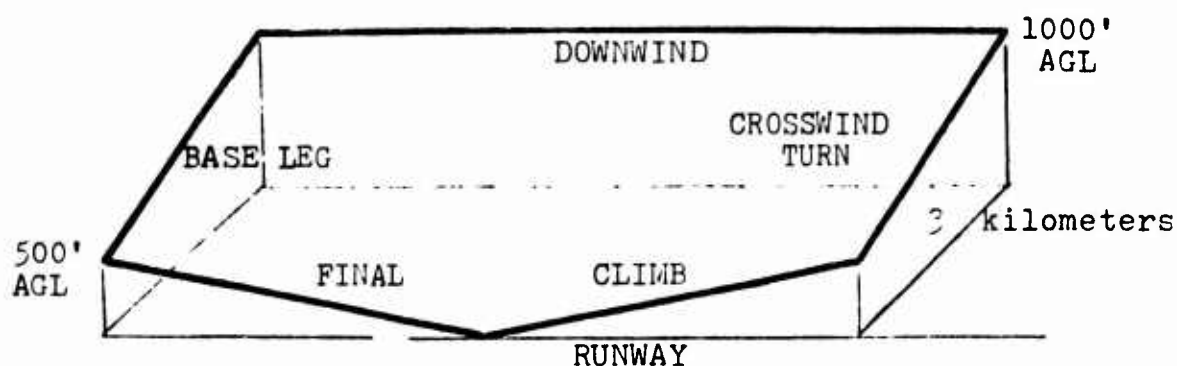
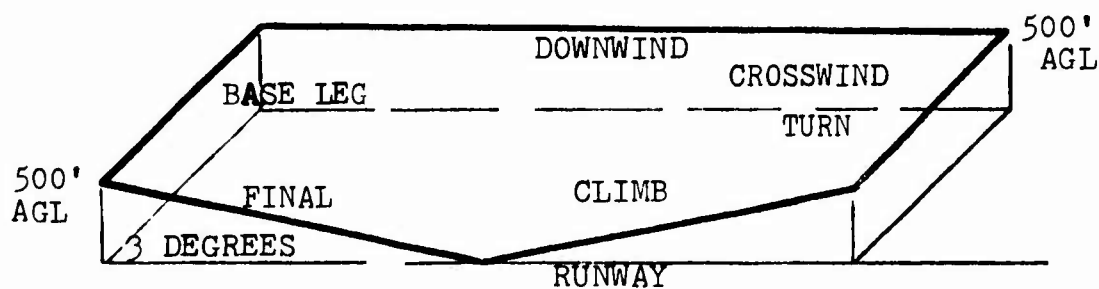


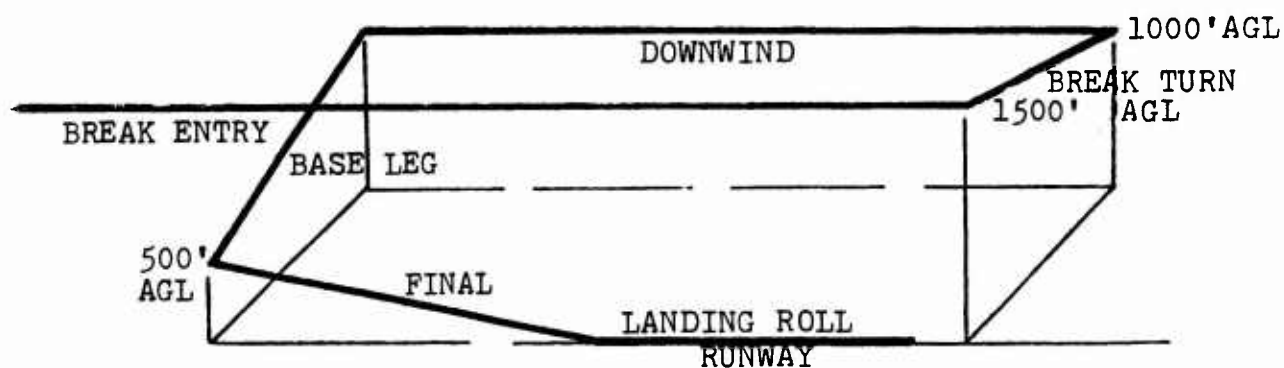
Figure 1. IFR APPROACH AND DEPARTURE



SIMULATION OF USN TGO PATTERN



SIMULATION OF USN FCLP PATTERN



SIMULATION OF USN VFR BREAK ENTRY

FIGURE 2. VFR FLIGHT SIMULATIONS

it was required to expand AQAM to include autorotations and the off runway environment so that rotary wing aircraft operations could be simulated.

Many Naval Air Stations possess a large complement of rotary wing aircraft. These aircraft operate almost exclusively below 3000 feet while in the vicinity of the airfield. Rotary wing aircraft utilize the VFR, TGO and FCLP patterns described in Ref. 10, but at lower altitudes and speeds. Helicopters also operate in specified areas away from the runway environment. These areas are normally called "pads," and the training which occurs is referred to as "pad work" and "hover work." Since training "pads" are often utilized for fifty per cent of any helicopter operational cycle, the inclusion of "pad work" and "hover work" in both the Source Inventory Program and Short-term Program was necessary.

AQAM limited aircraft refueling from fuel trucks to the aircraft parking areas. Reference 10 extended AQAM to include "the pressure refueling of aircraft with their engines running," termed "hot refueling." This original modification was not consistent with the model format nor did it account for delays in entering the hot refuel area. Also, another type of refueling exists, termed "pit refueling." The latter procedure involves pressure refueling an aircraft after it has shutdown in a specified area (the pit) other than its normal parking area. The aircraft is then towed to its parking area after refueling. Therefore, servicing and

shutdown emissions must be accounted for in the pit area and account must be made for aircraft delays in entering the pit area.

Another aspect of aircraft operations, military or commercial, which should be included in any LTO cycle is the take-off delay which occurs at the end of the runway. This delay can be quite extensive as it involves pre-flight checks, IFR clearance changes, safe separation of aircraft, and formation flight join-up. This delay was not modeled in AQAM as it was not part of the EPA and USAF LTO cycles.

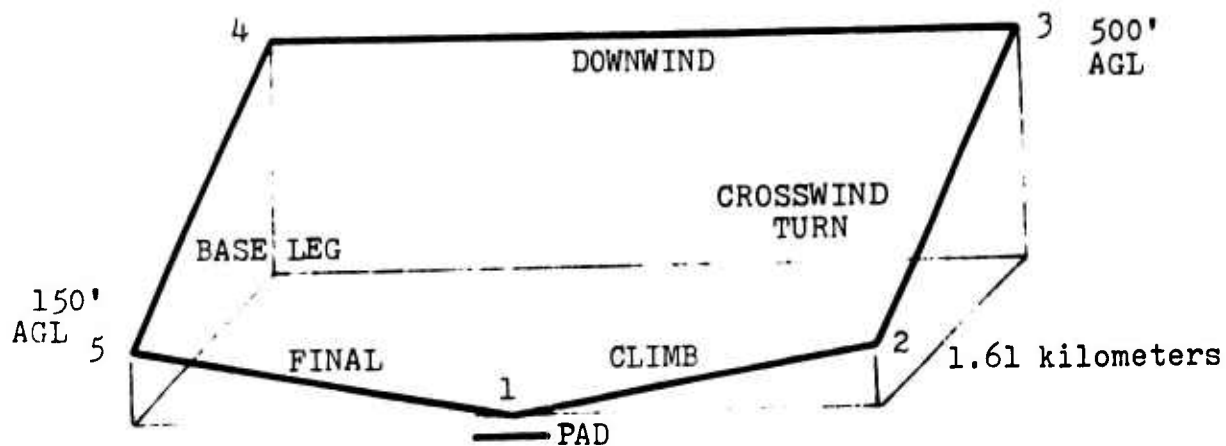
The requirements to change the aircraft related portions of AQAM were generated by the differences between commercial, USAF and USN aircraft operations. Due to special training requirements to ensure safe operations aboard ship, the USN developed a much larger LTO cycle which required three-dimensional models to simulate air operations. The models for non-aircraft activity were not changed since air base parameters are relatively consistent from base to base, and the environ parameters were flexible since the environment cannot be predicted a priori from base to base.

#### IV. ADAPTATIONS ACCOMPLISHED

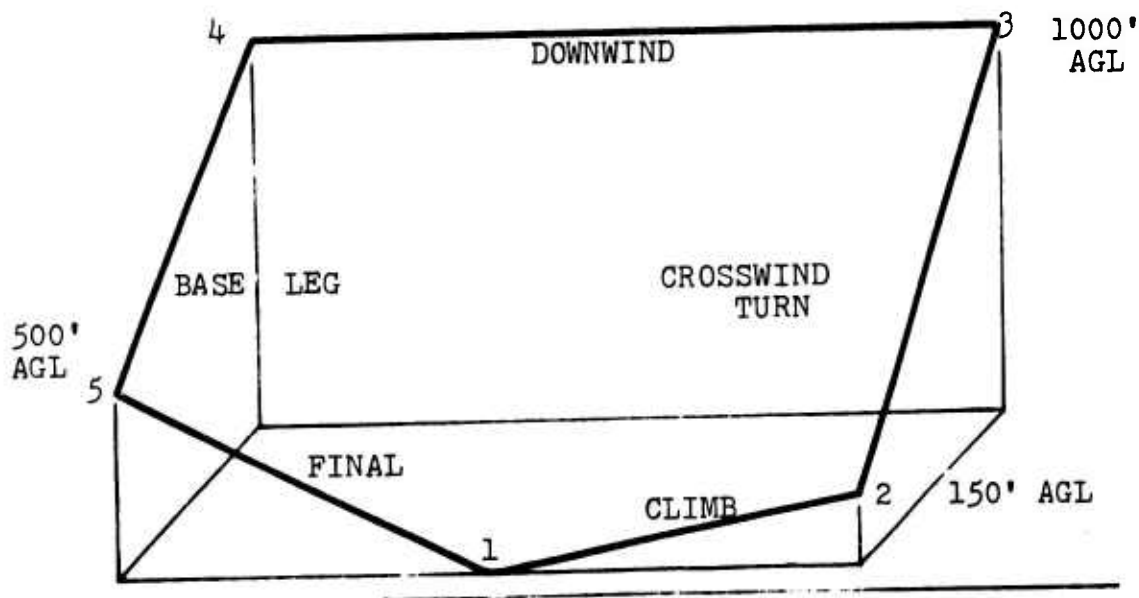
The initial modifications made to adapt AQAM to represent Naval air operations are described in Ref. 10. These modifications nulled level line sources that existed above the mixing depth, keyed calculations to aircraft operations on a runway, added hot refueling as an area source and expanded the LTO cycle from two to three dimensions by developing crosswind and downwind aircraft flight paths to simulate VFR approaches, TGO cycles and FCLP cycles.

Rotary wing aircraft operate in both a runway and off runway environment. The IFR, VFR, TGO and FCLP simulations described in Ref. 10 and depicted in Figures 1 and 2 adequately represent normal helicopter operations to a runway. However, pattern heights and lengths of crosswind legs are different for helicopters. One maneuver practiced by rotary wing pilots which is not represented by the latter simulations is the autorotation. An autorotation is the emergency procedure utilized to safely land a helicopter which has experienced a dual engine or tail rotor failure while in flight. Regulations require that this maneuver, when practiced, be conducted to a prepared surface (runway).

An autorotation pattern is depicted in Figure 3. The helicopter climbs to 150 feet (Point 2) from a hover (Point 1) over the runway. At Point 2 the aircraft commences a climbing crosswind turn to downwind entry (Point 3). If



SIMULATION OF USN HELICOPTER PAD WORK PATTERN



SIMULATION OF USN HELICOPTER AUTOROTATION PATTERN

FIGURE 3. HELICOPTER FLIGHT SIMULATIONS



the crosswind turn is completed prior to 1000 feet the climb is continued to 1000 feet. The downwind leg is flown at 1000 feet, paralleling the runway until abeam the point of intended landing. As soon as safe separation between aircraft can be established a descending turn is commenced toward the runway (Point 4 to Point 5). The autorotation is entered anytime between point 4 and point 5 by going from a normal power setting to an idle power setting. The final leg is entered at 500 feet with the nose of the aircraft lined up with the centerline of the runway. On final, a flare is executed to arrive at zero to low airspeed over the intended point of landing. This hover altitude is modeled as 20 feet, but actually varies with helicopter type. The entire pattern is flown at 70 knots. If the autorotation is performed at a speed other than 70 knots, this speed is attained while in the downwind leg.

In order to conduct extensive hover work for training purposes and to relieve the runway of congestion, helicopters often operate on pads which are adjacent to the runway. Flight patterns to and from these pads always parallel the flight pattern for the runway being utilized.

A pad work pattern is depicted in Figure 3. The helicopter climbs to 150 feet (Point 2) from a hover over the pad (Point 1). At Point 2 a climbing crosswind turn is commenced to enter (Point 3) the downwind leg parallel to the pad at 500 feet. The downwind leg is continued until abeam the pad. As soon as safe separation between aircraft can be established a descending turn from Point 4 to Point 5

is executed. The final phase of the approach commences at 150 feet (Point 5), with the nose of the helicopter lined up with the center line of the pad. The helicopter adjusts power, and flares as necessary to arrive over the pad at zero or low speed in a 10 foot hover. The hover altitude can vary with training requirements but is most often in the 5 to 20 feet range.

Hover work was modeled as an area source utilizing the X,Y coordinates of the pad and the length of the side of the operating area. Hover work involves a great deal of aircraft movement about all three axes; therefore, it is best modeled as an area rather than a point source. Helicopters must be timed by type while conducting hover work to establish an average time-in-mode hover. This time may then be used to determine total emissions and emission rates.

Modification of AQAM to accept "hot refueling" and "pit refueling" options plus their associated delays was desired since these evolutions can be varied for pollution control at air stations. The Source Inventory Program was modified to accept a hot refuel delay area source, a hot refuel area source, a pit delay area source and a pit refuel area source. Observation indicated that certain refuel areas were used exclusively by specific aircraft. Therefore, each aircraft type was tagged to indicate its normal refuel procedure.

Each refuel and delay operation was timed, and times in each area were assigned by aircraft type.

Another evolution which can be varied for pollution control is the take off delay at the end of the runway. This delay was incorporated into the LTO cycle for USN aircraft operations and was modeled in the same area as the engine check area source. Dwell times in this mode of operation were measured and assigned by aircraft type.

AQAM, when first received, used only JP4 fuel parameters to model jet fuel. Since the Navy utilizes JP5 fuel, the JP5 fuel parameters were added to the model in place of the JP4 parameters. Fuel parameters affect vapor pressure and are significant in determining hydrocarbon evaporative losses.

The Short-term Program was modified to accept level line sources at or above an inversion layer as null sources [Ref. 10]. This modification was extended to any line sources which existed entirely above an inversion layer, be they level or skewed lines.

The Short-term Program limited the number of grid receptors to 312. This number was insufficient to delineate the environ sources about the air station. Therefore, the number of grid receptors was increased to 412.

Since AQAM was developed for the USAF, it did not have a runway roll (take-off) equation for the F-14 aircraft. The following series of equations were developed for the

F-14 using the least squares procedures specified in Ref.

12.

$$\begin{aligned} \text{(Dimensionless)} \quad \text{TOF} = & (0.0001 \times T^2) + (0.0002 \times \text{PA} + 0.0040) \times T \\ & + (0.0001 \times \text{PA}^2 + 0.0181 \times \text{PA} + 0.3100) \end{aligned}$$

$$\begin{aligned} \text{(ft)} \quad \text{GR} = & (0.0121 \times \text{GW} - 206.6421) \times \text{TOF} \\ & + (0.0350 \times \text{GW} - 1106.3345) \end{aligned}$$

$$\text{(ft)} \quad \text{FGR} = \text{GR} - (0.0087 \times \text{GR} + 6.4583) \times \text{WS}$$

T is in degrees Fahrenheit.

PA is in hundreds of feet.

GW is in pounds.

WS is in knots.

The take off factor (TOF) is calculated from the temperature (T) and pressure altitude (PA) which are specified in the meteorological data. Ground run (GR) is then calculated from the TOF and aircraft gross weight (GW), an LTO cycle input parameter. The final ground run (FGR) is calculated from the GR and the projection of the wind speed (WS) vector on the runway.

## V. DATA ACQUISITION

NAS Miramar, California, was selected as the site for data collection for the high intensity air operations conducted, representative on-base facilities and off-base residential/industrial environment. NAS Miramar is one of the most active air stations in the United States. Total aircraft operations (arrivals + departures + TGOs + FCLPs) exceeded 200,000 for 1975. In addition the air station has a large fuel farm, many service and training facilities, much on-base vehicular traffic, engine test cells and base housing. Also, many environ emission sources exist in close proximity to NAS Miramar. Three major highways border the air station to the east, north and southwest. Industrial sites are north and south and residential areas lie to the north, southeast and southwest of the air station. This interplay of aircraft, air base facilities and off air base environment is indicative of many commercial and military airfields today and is the reason the contribution of each source to air quality must be determined. Tables I and III through VI depict the sources analyzed at NAS Miramar.

The initial collection of data at NAS Miramar provided a data base for aircraft operating parameters and meteorological parameters [Ref. 10]. This data base was the

TABLE III  
POINT SOURCES AT NAS MIRAMAR

<u>SOURCE</u>	<u>BLDG. NO.</u>
TRAINING FIRES	K118
TEST CELLS	545
	463
	462
	542
	565
RUN UP STANDS	589
	419
POWER PLANT	K212
STORAGE TANKS	935
	940
	936
	319
	483
	K230

TABLE IV  
AREA SOURCES AT NAS MIRAMAR

<u>SOURCE</u>	<u>LOCATION</u>
FUEL WORKING	K231 K234 K229 M319 K214 498
FUEL STORAGE	FUEL TANK FARM TEST CELL FUEL TANKS QUALITY CONTROL TANK
TANK TRUCK PARKING	NEAR 592 NEAR K229
VEHICLE PARKING	TEN AREA SOURCES INCORPORATE ALL BASE PROPER PARKING BETWEEN THE FLIGHT LINE AND NORTH GATE.
SPACE HEATING	BASE HOUSING MOBILE HOMES PROPANE USERS
GROUND MOBILE*	SAME AREAS AS VEHICLE PARKING AND SPACE HEATING.

\*VEHICULAR EMISSIONS WHICH OCCUR WHILE TRAVELING TO OR FROM A MAJOR ROADWAY (LINE SOURCE) ARE CONSIDERED AREA SOURCES.

TABLE V  
LINE SOURCES AT NAS MIRAMAR

ROADWAY

MIRAMAR WAY  
POLARIS AVENUE  
MITSCHER WAY  
JUPITER ROAD  
RIGEL AVENUE  
REGULUS AVENUE  
RAVEN ROAD (PORTION PARALLEL TO FLIGHT LINE)

TABLE VI

ENVIRON SOURCES SURROUNDING NAS MIRAMAR

ROADWAYS

INTERSTATE 805  
HIGHWAY 15  
MIRAMAR ROAD

RESIDENTIAL AREAS\*

INDUSTRIAL AREAS\*

\* RESIDENTIAL AND INDUSTRIAL SOURCES WERE MODELED USING  
LAND USE FACTORS SINCE A DATA BASE WAS NOT ESTABLISHED  
FOR THESE SOURCES.



result of an existing twenty-five year history of meteorological data and over eighty hours of observations of aircraft operations. These observations provided definition of taxi paths, parking areas, dwell time in various operating modes, and recognition of the need for a three-dimensional LTO cycle to adequately assess the contribution to air quality of Naval aircraft operations.

Later collections of data focused on the air station and the surrounding environment. Over sixty hours of data collection provided a sound data base for the air station. An adequate data base for the environment bordering NAS Miramar was not established except for the major highways bordering the air station.

Data were collected from existing records, by interviews and by observation. An extensive amount of raw data must be collected to describe each source. AQAM estimates of air quality are probably more dependent on the data input to the model than on any limitations to the simulations used to describe dispersion and operations [Ref. 6]. Since every air station is physically different, and possesses different aircraft and surroundings, a complete data survey is required to satisfy the input data requirements for each source.

## VI. RESULTS AND DISCUSSION

Once modified, the Source Inventory Program and the Short-term Program provided an ambient air quality model for assessment of U.S. Naval aviation emittants. The model was utilized to conduct seven simulations of operations at NAS Miramar. These simulations are summarized in Table VII and permitted a parametric analysis of the relationships between the broad categories of aircraft, air base and environ sources. Finally, using the total sources, an attempt was made to distinguish the subtle interplay of the primary source categories to the overall ambient air quality about NAS Miramar.

The meteorological and temporal parameters were held constant for each case. These parameters are tabulated in Table VIII.

Case 1 was established as the base case and represented operations as they are normally conducted at NAS Miramar. Changes to the source parameters of Case 1 constituted the remaining cases. Case 2 provided a better estimate of the emissions from sources surrounding NAS Miramar. Land use factors were used to provide an order of magnitude estimate [Ref. 6] of these environ sources, since better data were not available. Case 3 removed the take off delay, pit refuel delay, hot refuel delay, pit refuel and hot refuel

TABLE VII  
SIMULATIONS OF OPERATIONS AT NAS MIRAMAR

<u>CASE</u>	<u>DESCRIPTION</u>
1	BASE CASE. INCLUDES ALL AIRCRAFT SOURCES, AIR BASE SOURCES AND HIGHWAY TRAFFIC ADJACENT TO THE AIR BASE.
2	BASE CASE PLUS LAND USE FACTORS TO MODEL RESIDENTIAL/INDUSTRIAL ENVIRON SOURCES.
3	BASE CASE MINUS TAKE OFF DELAY, PIT REFUEL DELAY, HOT REFUEL DELAY, PIT REFUEL AND HOT REFUEL EMISSIONS.
4	BASE CASE EXCEPT TEST CELLS AND RUN UP STANDS EMITTING A FULL DAYS POLLUTION IN ONE HOUR, AIR BASE SOURCES ZEROED.
5	BASE CASE MINUS ENGINE TEST CELLS AND RUN UP STANDS.
6	BASE CASE PLUS HYDROCARBON WORKING LOSSES.
7	BASE CASE MINUS TAKE OFF DELAY, PIT REFUEL DELAY AND HOT REFUEL DELAY SOURCES.

TABLE VIII  
METEOROLOGICAL AND TEMPORAL DATA

METEOROLOGICAL PARAMETERS

TEMPERATURE (DEGREES FAHRENHEIT)	65.0
MIXING DEPTH (METERS)	800.0
WIND DIRECTION (DEGREES)	200.0
WIND SPEED (METERS/SECOND)	2.57
STABILITY CATEGORY	2

TEMPORAL DATA

YEAR	1975
MONTH	MAY
PERIOD 1200-1300 HOURS ON A WEEKDAY	
HOUR INDEX	13

emissions. This procedure placed all refueling and servicing emissions in the aircraft parking areas, which was consistent with the original AQAM. Case 4 was a "worst case" study of the emissions from engine test cells and run up stands. As an approximation, the emissions for the entire day from each test cell/run-up stand were considered to be released in the hour under consideration. This corresponded to emissions from approximately eight minutes of operation for each run-up stand and eighty minutes of operation for each test cell. All other air base sources had zero emissions. Case 5 established the pollution caused by the air base without the engine test cells and run up stands in operation. Case 6 established the hydrocarbon working losses that would occur if vapor recovery systems were not utilized by NAS Miramar. Case 7 removed the take-off delay, pit refuel delay and hot refuel delay sources to study the effects of aircraft delays on ambient air quality.

The Source Inventory Program provides a summary of the annual emissions by source. This summary is presented in Tables IX through XI for Case 1. In addition, the effect of the environ sources when land use factors are added is depicted in Table XII. The parameters which define each case can be interpreted from these tables. Source Inventory summaries can only be used to establish the qualitative importance of a source to ambient air quality since the emissions have not been dispersed in time and space.

TABLE IX

## CASE 1 - SUMMARY OF AIRCRAFT SOURCE EMISSIONS

SUMMARY OF ANNUAL EMISSIONS IN AIRCRAFT LTO MODES  
ALL POLLUTANTS IN METRIC TONS

OPERATION	CO	HC	NOX	PM	SOX
STARTUP	8.979E 01	3.627E 01	4.623E 00	4.136E 01	1.252E-01
TAXI OUT	2.239E 02	8.912E 01	1.238E 01	1.252E 02	5.729E-02
TAKEOFF DLY	4.610E 02	1.768E 02	2.536E 01	2.544E 02	2.561E-01
ENGINE CHECK	4.548E 00	9.149E-01	1.100E 01	1.421E 01	7.654E-02
RUNWAY ROLL	9.648E 01	5.023E 00	3.764E 01	5.246E 01	1.681E-01
CLIMB (1+2)	1.180E 02	9.056E 00	8.454E 01	1.059E 02	1.383E-01
APPROACH IFR	3.401E 01	1.161E 01	8.325E 01	2.160E 02	7.650E-02
APPROACH VFR	4.325E 01	1.332E 01	1.107E 02	2.571E 02	1.198E-01
LANDING	6.628E 01	2.880E 01	3.482E 00	3.236E 01	4.600E-02
TAXI IN	8.242E 02	3.558E 02	4.355E 01	4.291E 02	3.059E-01
(HR+PIT) DLY	8.527E 01	3.383E 01	4.756E 00	4.959E 01	0.0
HOT REFUEL	2.634E 02	7.198E 01	1.678E 01	1.846E 02	0.0
SHUTDOWN	1.918E 02	8.331E 01	1.100E 01	1.021E 02	1.831E-02
ARR + DEP SV	4.399E 01	4.626E 00	2.142E 00	0.0	0.0
FUEL VENTING	0.0	0.0	0.0	0.0	0.0
FILL + SPILL	0.0	3.762E-01	0.0	0.0	0.0
TGO PATTERN	2.454E 01	7.676E 00	7.494E 01	1.294E 02	8.721E-02
FCLP PATTERN	6.793E 01	2.256E 01	2.106E 02	3.452E 02	0.0
PAD WORK	0.0	0.0	0.0	0.0	0.0
HOVER WORK	0.0	0.0	0.0	0.0	0.0
AUTOROTATION	0.0	0.0	0.0	0.0	0.0
TOTAL	2.638E 03	9.511E 02	7.367E 02	2.339E 03	1.475E 00

TABLE X

## CASE 1 - SUMMARY OF AIR BASE SOURCE EMISSIONS

SUMMARY OF ANNUAL EMISSIONS FROM AIR BASE FACILITIES  
ALL POLLUTANTS IN METRIC TONS

<u>OPERATION</u>	<u>CO</u>	<u>HC</u>	<u>NOX</u>	<u>PM</u>	<u>SOX</u>
TRAIN FIRES	2.096E 01	1.198E 01	1.553E-01	4.791E 00	0.0
TEST CELLS	1.587E 02	1.768E 01	1.094E 02	1.455E 02	0.0
RUN-UP STDS	4.799E-01	1.869E-01	4.587E-01	8.019E 00	3.893E-02
POWER PLANTS	5.120E-04	5.120E-02	2.248E-01	2.320E-02	7.680E-04
INCINERATORS	0.0	0.0	0.0	0.0	0.0
OTHER AB PTS	0.0	0.0	0.0	0.0	0.0
SPACE HEATING	2.880E-03	1.152E-03	1.765E-01	2.718E-03	8.640E-05
TOTAL	1.802E 02	2.990E 01	1.104E 02	1.584E 02	3.978E-02

SUMMARY OF ANNUAL EMISSIONS FROM EVAPORATIVE HYDROCARBONS  
ALL LOSSES IN METRIC TONS

<u>OPERATION</u>	<u>WORKING LOSS</u>	<u>FIXED ROOF BREATHING LOSS</u>	<u>FLOATING ROOF BREATHING LOSS</u>	<u>SPILLAGE</u>	<u>OTHER</u>
STORAGE TANKS	6.418E 00	9.762E-01	0.0		
FILLING	0.0			0.0	
PET. STOR. TKS		3.280E 00	0.0		
TNK. TRUCK PK		6.175E-01			
VEH. PARKING		5.291E 01			
OTHERS					0.0

TOTAL EMISSIONS FROM EVAPORATIVE HYDROCARBONS IS 6.420E 01 METRIC TONS

TABLE X (CONTINUED)

SUMMARY OF ANNUAL EMISSIONS FROM GROUND MOBILE SOURCES  
ALL POLLUTANTS IN METRIC TONS

<u>OPERATION</u>	<u>CO</u>	<u>HC</u>	<u>NOX</u>	<u>PM</u>	<u>SOX</u>
OFF ROAD VEH	1.526E 00	2.307E-01	2.759E 00	4.838E-02	9.677E-02
MILITARY VEH	0.0	0.0	0.0	0.0	0.0
CIVILIAN VEH	1.833E 01	1.703E 00	1.340E 00	2.333E-01	8.045E-02
MIL.VEH. LINE	0.0	0.0	0.0	0.0	0.0
CIV.VEH. LINE	3.293E 02	3.585E 01	6.007E 01	8.320E 00	2.869E 00
OTHER ABLINE	0.0	0.0	0.0	0.0	0.0
TOTAL	3.491E 02	3.778E 01	6.416E 01	8.602E 00	3.046E 00



TABLE XI

## CASE 1 - SUMMARY OF ENVIRON AND TOTAL SOURCE EMISSIONS

SUMMARY OF ANNUAL EMISSIONS FROM ENVIRONS  
ALL POLLUTANTS IN METRIC TONS

<u>OPERATION</u>	<u>CO</u>	<u>HC</u>	<u>NOX</u>	<u>PM</u>	<u>SOX</u>
ENVIRON PTS.	1.376E 01	2.000E-01	5.190E 00	0.0	0.0
ENV STA AREA	0.0	0.0	0.0	0.0	0.0
ENV MOB AREA	0.0	0.0	0.0	0.0	0.0
ENV LAND USE	0.0	0.0	0.0	0.0	0.0
ENV COM AREA	0.0	0.0	0.0	0.0	0.0
ENV ROAD WAY	4.850E 03	5.804E 02	1.616E 03	1.837E 02	6.333E 01
ENV NON-ROAD	0.0	0.0	0.0	0.0	0.0
TOTAL	4.864E 03	5.806E 02	1.621E 03	1.837E 02	6.333E 01

SUMMARY OF ALL ANNUAL EMISSIONS  
ALL POLLUTANTS IN METRIC TONS

<u>OPERATION</u>	<u>CO</u>	<u>HC</u>	<u>NOX</u>	<u>PM</u>	<u>SOX</u>
AIRCRAFT	2.638E 03	9.511E 02	7.367E 02	2.339E 03	1.475E 00
GROUND MOBIL	3.491E 02	3.778E 01	6.416E 01	8.602E 00	3.046E 00
FACILITIES	1.802E 02	9.410E 01	1.104E 02	1.584E 02	3.978E-02
ENVIRONS	4.864E 03	5.806E 02	1.621E 03	1.837E 02	6.333E 01
GRANT TOTAL	8.032E 03	1.664E 03	2.533E 03	2.690E 03	6.789E 01

TABLE XI (CONTINUED);

PERCENT OF EMISSIONS FROM ALL SOURCES

<u>OPERATION</u>	<u>CO</u>	<u>HC</u>	<u>NOX</u>	<u>PM</u>	<u>SOX</u>
AIRCRAFT	32.848	57.171	29.089	86.964	2.173
GROUND MOBIL	4.347	2.271	2.533	0.320	4.487
FACILITIES	2.243	5.657	4.358	5.888	0.059
ENVIRONS	60.561	34.901	64.020	6.829	93.282

TABLE XII

## CASE 2 - SUMMARY OF ENVIRON AND TOTAL SOURCE EMISSIONS

<u>OPERATION</u>	<u>CO</u>	<u>HC</u>	<u>NOX</u>	<u>PM</u>	<u>SOX</u>
ENVIRON PTS.	1.376E 01	2.000E-01	5.190E 00	0.0	0.0
ENV STA AREA	0.0	0.0	0.0	0.0	0.0
ENV MOB AREA	0.0	0.0	0.0	0.0	0.0
ENV LAND USE	9.278E 04	1.792E 04	7.215E 03	3.024E 03	3.864E 03
ENV COM AREA	0.0	0.0	0.0	0.0	0.0
ENV ROAD WAY	4.850E 03	5.804E 02	1.616E 03	1.837E 02	6.333E 01
ENV NON-ROAD	0.0	0.0	0.0	0.0	0.0
TOTAL	9.764E 04	1.850E 04	8.836E 03	3.207E 03	3.927E 03

SUMMARY OF ALL ANNUAL EMISSIONS  
ALL POLLUTANTS IN METRIC TONS

<u>OPERATION</u>	<u>CO</u>	<u>HC</u>	<u>NOX</u>	<u>PM</u>	<u>SOX</u>
AIRCRAFT	2.638E 03	9.511E 02	7.367E 02	2.339E 03	1.475E 00
GROUND MOBIL	3.491E 02	3.778E 01	6.416E 01	8.602E 00	3.046E 00
FACILITIES	1.802E 02	9.410E 01	1.104E 02	1.584E 02	3.978E-02
ENVIRONS	9.764E 04	1.850E 04	8.836E 03	3.207E 03	3.927E 03
GRAND TOTAL	1.008E 05	1.958E 04	9.747E 03	5.713E 03	3.932E 03

TABLE XII (CONTINUED)

## PERCENT OF EMISSIONS FROM ALL SOURCES

<u>OPERATION</u>	<u>CO</u>	<u>HC</u>	<u>NOX</u>	<u>PM</u>	<u>SOX</u>
AIRCRAFT	2.617	4.856	7.558	40.939	0.038
GROUND MOBIL	0.346	0.193	0.658	0.151	0.077
FACILITIES	0.179	0.481	1.132	2.772	0.001
ENVIRONS	96.858	94.470	90.651	56.138	99.884

The Short-term Program takes the source data, emission strengths, meteorological data and temporal data and disperses the source emissions in time and space. These concentrations, which are collected over the receptor grid system, determine a sources contribution to ambient air quality.

Table XIII compares the maximum 1-hour receptor concentration from aircraft sources at NAS Miramar. For the receptor locations employed, removing aircraft delays (Case 7) reduced the maximum pollutant concentrations by only 2 per cent. However, Table IX shows that elimination of aircraft delays can reduce CO and HC yearly emissions by approximately 21 per cent and particulates by approximately 13 per cent. Case 3 eliminates the aircraft delays and puts all refueling in the parking areas. The maximum hourly concentrations occurred at the same receptor location (12, 9) as for Cases 1 and 7, but increased by approximately 17 per cent. This higher concentration results from receptor (12, 9) being located nearer to the parking area than to the hot refueling or pit refueling areas. Comparison of Cases 1, 3, and 7 shows that refueling in the parking areas increases the local ambient air concentrations of each pollutant in the parking area but decreases annual emissions of each pollutant by approximately 8 per cent. Locations of pertinent receptors are presented in Figure 4.

Table XIV compares the maximum 1-hour receptor concentration from air base sources at NAS Miramar. Case 1 and Case 5,

TABLE XIII

MAXIMUM 1-HOUR RECEPTOR CONCENTRATION (CHI) FROM AIRCRAFT  
SOURCES AT NAS MIRAMAR

POLLUTANT	CASE 1			CASE 3			CASE 7		
	X (km)	Y (km)	CHI ( $\mu\text{g}/\text{m}^3$ )	X (km)	Y (km)	CHI ( $\mu\text{g}/\text{m}^3$ )	X (km)	Y (km)	CHI ( $\mu\text{g}/\text{m}^3$ )
CARBON MONOXIDE	12.0	9.0	214.8	12.0	9.0	250.2	12.0	9.0	213.2
HYDROCARBONS	12.0	9.0	80.99	12.0	9.0	95.03	12.0	9.0	79.64
OXIDES OF NITROGEN	12.0	9.0	17.77	12.0	9.0	18.87	12.0	9.0	17.71
PARTICULATES	12.0	9.0	125.1	12.0	9.0	126.3	12.0	9.0	124.8
OXIDES OF SULFUR	12.0	9.0	0.04087	12.0	9.0	0.04087	12.0	9.0	0.04087

(13.11) •

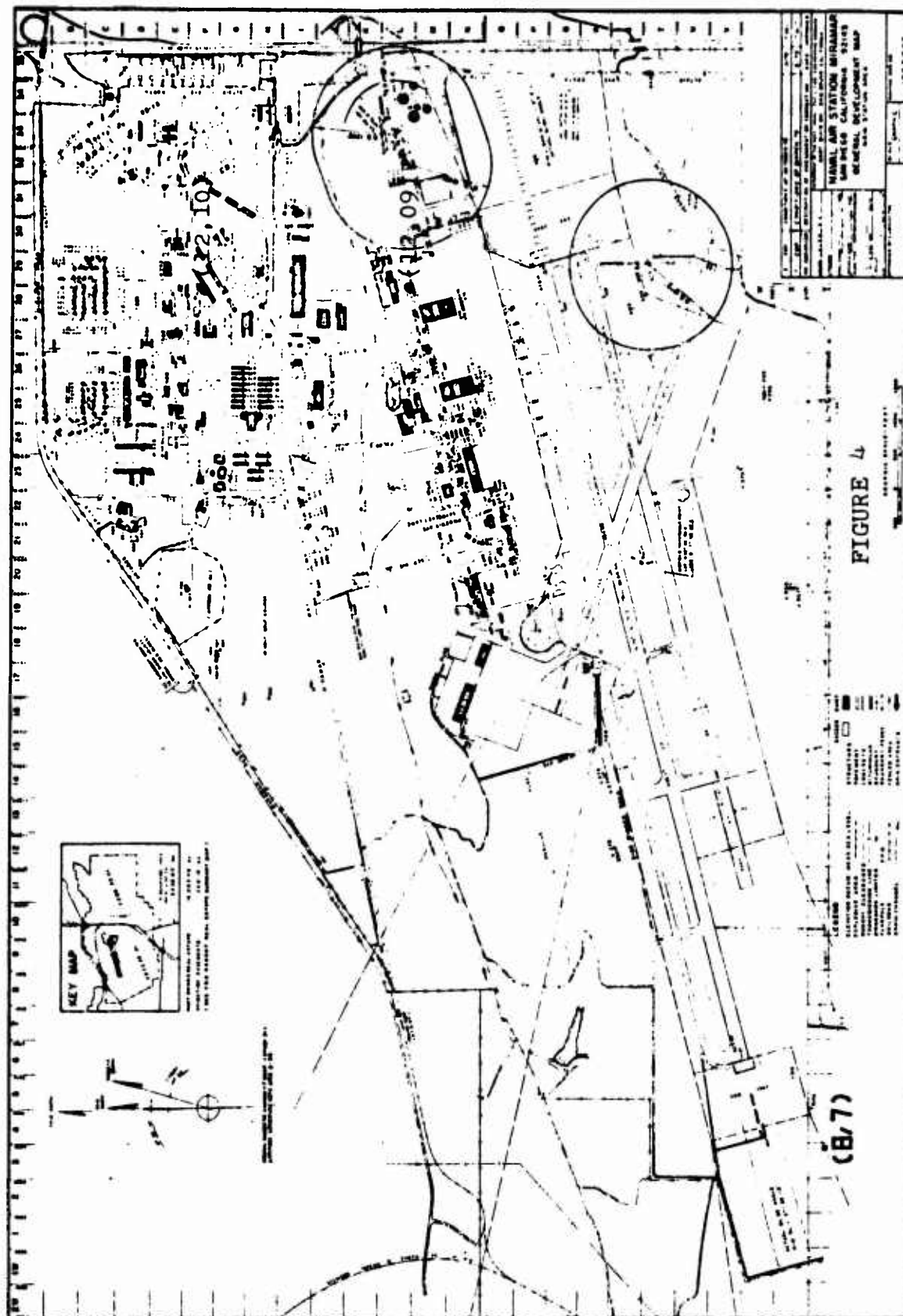


TABLE XIV

MAXIMUM 1-HOUR RECEPTOR CONCENTRATION (CHI) FROM AIR BASE  
SOURCES AT NAS MIRAMAR

POLLUTANT	CASE 1			CASE 4			CASE 5			CASE 6		
	X (km)	Y (km)	CHI ( $\mu\text{g}/\text{m}^3$ )	X (km)	Y (km)	CHI ( $\mu\text{g}/\text{m}^3$ )	X (km)	Y (km)	CHI ( $\mu\text{g}/\text{m}^3$ )	X (km)	Y (km)	CHI ( $\mu\text{g}/\text{m}^3$ )
CARBON MONOXIDE	13.0	11.0	4.167	13.0	11.0	44.29	12.0	10.0	1.177	13.0	11.0	4.167
HYDRO- CARBONS	12.0	10.0	8.668	13.0	11.0	4.985	12.0	10.0	8.580	12.0	10.0	11.30
OXIDES OF NITROGEN	13.0	11.0	2.636	12.0	11.0	30.39	12.0	10.0	0.4027	13.0	11.0	2.636
PARTICU- LATES	13.0	11.0	3.703	13.0	11.0	44.37	12.0	10.0	0.01711	13.0	11.0	3.703
OXIDES OF SULFUR	12.0	10.0	0.01713	13.0	11.0	0.02135	12.0	10.0	0.01566	12.0	10.0	0.01713



together, indicate that the maximum local ambient concentrations (from air base sources) of carbon monoxide, oxides of nitrogen and particulates result, for this particular time period, from the engine test cells and run up stands. Source Inventory for these two cases also shows that test cell/run up stand operation contributes 30%, 14%, 63%, and 92% of the annual air base emissions of CO, HC, NOX and particulates, respectively. However, these values (when compared to the standards depicted in Table XV) indicate that test cells and run up stands by themselves produce less than one per cent of the 1-hour ambient air quality standards. The "worst case" (Case 4) values for engine test cells and run up stands are less than 7 per cent of the 1-hour ambient air quality standards.

Case 1 and Case 6, together, depict the reduction in hydrocarbon emissions which result from the recent installation of vapor recovery systems at NAS Miramar. These systems caused a 30 per cent reduction in both the maximum receptor concentration and yearly total emissions of air base evaporative hydrocarbons.

Table XVI compares the maximum 1-hour receptor concentration from environ sources surrounding NAS Miramar. Case 1 included the vehicular traffic emissions on Interstate 805, Highway 15 and Miramar Road. A sound data base exists for these sources. Case 2 included these emissions plus the emissions due to industrial and residential activity based on Land Use factors. Reference 6 cautions that the Land Use

TABLE XV  
 AMBIENT AIR QUALITY STANDARDS  
 (From Ref. 13)

POLLUTANT	STANDARDS $\mu\text{g}/\text{m}^3$	
	California	Federal Primary
CARBON MONOXIDE	46,000 <sup>1</sup>	40,000 <sup>1</sup>
OXIDES OF NITROGEN	470 <sup>1</sup>	100 <sup>4</sup>
HYDROCARBONS	NONE	160 <sup>2</sup>
PARTICULATES	100 <sup>3</sup>	260 <sup>3</sup>
OXIDES OF SULFUR	1,310 <sup>1</sup>	365 <sup>3</sup>

1. 1-hour concentration not to be exceeded more than once per year.
2. 3-hour concentration not to be exceeded more than once per year.
3. 24-hour concentration not to be exceeded more than once per year.
4. Annual arithmetic mean.

TABLE XVI  
MAXIMUM 1-HOUR RECEPTOR CONCENTRATION (CHI) FROM ENVIRON  
SOURCES NEAR NAS MIRAMAR

POLLUTANT	CASE 1			CASE 2		
	X (km)	Y (km)	CHI ( $\mu\text{E}/\text{m}^3$ )	X (km)	Y (km)	CHI ( $\mu\text{E}/\text{m}^3$ )
CARBON MONOXIDE	13.0	13.0	8.507	11.0	5.0	650.7
HYDROCARBONS	10.0	12.0	1.081E-03	11.0	3.0	202.2
OXIDES OF NITROGEN	10.0	12.0	2.806E-02	11.0	3.0	56.35
PARTICULATES	13.0	13.0	1.855E-04	11.0	3.0	49.10
CYIDES OF SULFUR	13.0	13.0	8.746E-06	11.0	5.0	59.63

factors utilized to define environ activity can provide only an order of magnitude estimate of the actual concentration of pollutants. Therefore, the results for Case 2 in Table XVI may not be accurate and should be used with caution.

Table XVII presents data from all sources for cases 1 and 2. Again, the unreliability of the Land Use factors to accurately describe the environ sources prevents an accurate estimation of the interplay between aircraft and air base sources with the environ sources. The Table does indicate that aircraft sources dominate the maximum pollutant concentration's on the air base and dominate the maximum concentration of particulates throughout the receptor grid system. More data are required to define the environment prior to establishing the interplay of the three emission sources.

To permit analysis of more than just those receptors with maximum pollutant concentrations the entire receptor grid system for each primary source category is presented as Appendix A for Case 2.

TABLE XVII  
MAXIMUM 1-HOUR RECEPTOR CONCENTRATION (CHI) FROM TOTAL\*  
SOURCES ABOUT NAS MIRAMAR

POLLUTANT	CASE 1			CASE 2		
	X (km)	Y (km)	CHI ( $\mu\text{g}/\text{m}^3$ )	X (km)	Y (km)	CHI ( $\mu\text{g}/\text{m}^3$ )
CARBON MONOXIDE	12.0	9.0	215.2	11.0	5.0	650.8
HYDROCARBONS	12.0	9.0	81.37	11.0	3.0	202.2
OXIDES OF NITROGEN	12.0	9.0	17.79	11.0	3.0	56.35
PARTICULATES	12.0	9.0	125.1	12.0	9.0	129.5
OXIDES OF SULFUR	12.0	10.0	0.05178	11.0	5.0	59.63

\* AIRCRAFT + AIR BASE + ENVIRONS

## VII. CONCLUSIONS AND RECOMMENDATIONS

Modifications to AQAM have enhanced the accuracy for predictions related to U.S. Naval Aircraft operations. The capacity of the air quality model to qualitatively relate the various emission sources exists at this stage in the model's development. The capacity of the model to quantitatively predict the ambient air quality through space and time must yet be verified by actual measurement.

The model can assist in the verification process. For a given set of meteorological data and temporal distributions the model can indicate the best receptor locations for optimizing data collection devices. Using the meteorological and temporal parameters of Table VIII and Cases 1 through 7, the best locations for receptors appear to be just south of the jet engine maintenance shop, just north of toyland and just north of the Miramar Road/Highway 15 intersection.

Before the interplay of aircraft, air base and environ emissions can be established at NAS Miramar a data base for the environ sources must be established. In addition, the data base for the aircraft and air base sources must be updated to represent 1976. Recurring updates of any data base must occur or the quantitative results of the model will not represent the actual situation.

The model should be modified to provide contour mapping of pollutant concentrations over the grid of receptors. Parametric studies conducted under differing meteorological and temporal distributions could then be visualized to indicate sources of high, medium and low concentrations. Then, parametric studies could be conducted by varying operational factors and source parameters to establish the combination which would provide the lowest pollution level.

# APPENDIX A - AIRCRAFT, AIR BASE, ENVIRON AND TOTAL GRID RECEPTOR CONCENTRATIONS FOR CASE 2

MONTH = MAY		MAG MIRAPAP PERICC - 1200 TC 1300 HOURS ON A WEEKDAY									
RECEPTOR NUMBER	RECEPTOR LOCATION	RECEPTOR CONCENTRATION DATA FROM ENVIRON SOURCES									
		EXPECTED ARITHMETIC MEAN									
		(KILOMETERS) X	(KILOMETERS) Y	CC	FC	(MICROGRAMS/CL. METER) PC	PT	SC2			
1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
2	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
3	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
4	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
5	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
6	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
7	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
8	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
9	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
10	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
11	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
12	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
13	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
14	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
15	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
16	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
17	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
18	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
19	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
20	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
21	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
22	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
23	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
24	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
25	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
26	26	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
27	27	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
28	28	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
29	29	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
30	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
31	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00			



PENTH - MAY  
 NAG NIPAPAF  
 PERICC - 1200 TO 1300 HOURS CN A WEEKDAY

RECEPTOR NUMBER	RECEPTOR LOCATION		RECEPTOR CONCENTRATION DATA FROM ENVIRON										EXPECTED ARITHMETIC MEAN	
	X (KILG/PETERS)	Y	CO	HC	INCRGRAMS/CU. METER	FT	SC2							
33	2.00	5.00	1.361E-01	2.302E-02	1.031E-03	1.135E-03	6.08E-03							
40	2.00	7.00	1.145E-02	2.023E-01	8.304E-04	1.233E-03	1.70E-03							
42	2.00	5.00	9.175E-01	1.000E-01	7.304E-04	1.135E-03	1.45E-03							
43	3.00	10.00	5.510E-01	9.735E-02	3.972E-03	6.370E-01	5.0E-01							
44	2.00	11.00	2.177E-01	2.343E-02	1.030E-03	8.371E-01	5.0E-01							
45	3.00	11.00	1.437E-01	2.343E-02	1.030E-03	8.371E-01	5.0E-01							
46	3.00	11.00	1.218E-01	2.000E-02	7.800E-04	8.371E-01	5.0E-01							
47	3.00	11.00	9.824E-01	1.000E-02	8.000E-04	8.371E-01	5.0E-01							
48	3.00	11.00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00							
49	3.00	11.00	3.002E-04	5.66E-05	2.273E-05	0.000E+00	0.000E+00							
50	3.00	11.00	3.55E-05	5.66E-05	2.273E-05	0.000E+00	0.000E+00							
51	3.00	11.00	1.100E-05	5.66E-05	2.273E-05	0.000E+00	0.000E+00							
52	3.00	11.00	1.527E-02	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
53	3.00	11.00	1.55E-05	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
54	3.00	11.00	3.333E-01	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
55	3.00	11.00	3.105E-01	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
56	3.00	11.00	2.292E-01	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
57	3.00	11.00	1.76E-01	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
58	3.00	11.00	0.000E+00	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
59	3.00	11.00	0.000E+00	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
60	3.00	11.00	0.000E+00	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
61	3.00	11.00	0.000E+00	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
62	3.00	11.00	0.000E+00	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
63	3.00	11.00	0.000E+00	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
64	3.00	11.00	0.000E+00	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
65	3.00	11.00	0.000E+00	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
66	3.00	11.00	0.000E+00	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
67	3.00	11.00	0.000E+00	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
68	3.00	11.00	0.000E+00	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
69	3.00	11.00	0.000E+00	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
70	3.00	11.00	0.000E+00	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
71	3.00	11.00	0.000E+00	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
72	3.00	11.00	0.000E+00	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
73	3.00	11.00	0.000E+00	3.700E-03	1.000E-03	0.000E+00	0.000E+00							
74	3.00	11.00	0.000E+00	3.700E-03	1.000E-03	0.000E+00	0.000E+00							

MONTH = MAY  
 NAS MIRAMAR  
 PERIOD = 1200 TO 1300 HOURS ON A WEEKDAY

RECEPTOR CONCENTRATION DATA FROM ENVIRON SCUFES									
RECEPTOR NUMBER	RECEPTOR LOCATION	(MILICENTERS) X	Y	EXPECTED ARITHMETIC MEAN				SC2	
				CO	PC	(MICROGRAMS/CU. METER) NCX	FT	SC2	SC2
75	4.00	10.00	6.16E 01	1.08E 01	4.44E 00	5.26E 01	1.14E 00	1.14E 00	
76	4.00	11.00	4.29E 01	7.55E 00	3.09E 00	5.26E 01	5.02E 01	5.02E 01	
77	4.00	11.00	2.86E 01	5.04E 00	2.02E 00	4.71E 01	5.47E 01	5.47E 01	
78	4.00	11.00	3.80E 01	4.94E 00	2.03E 00	4.71E 01	5.27E 01	5.27E 01	
79	4.00	11.00	6.46E 01	0.00	1.00E 00	0.00	0.00	0.00	
80	4.00	11.00	1.86E 01	3.30E 00	1.25E 00	5.26E 01	1.51E 00	1.51E 00	
81	4.00	11.00	5.08E 01	7.75E 00	3.84E 00	1.44E 01	1.91E 00	1.91E 00	
82	4.00	11.00	3.72E 01	6.53E 00	2.83E 00	1.03E 01	1.12E 00	1.12E 00	
83	4.00	11.00	1.43E 01	2.53E 00	1.00E 00	2.72E 01	2.75E 00	2.75E 00	
84	4.00	11.00	1.62E 01	3.65E 00	1.14E 00	3.50E 01	3.53E 00	3.53E 00	
85	4.00	11.00	1.16E 01	2.03E 00	1.34E 00	2.72E 01	3.33E 00	3.33E 00	
86	4.00	11.00	5.87E 01	1.02E 01	4.21E 00	3.42E 01	1.42E 00	1.42E 00	
87	4.00	11.00	4.66E 01	8.15E 00	5.53E 00	4.25E 01	1.12E 00	1.12E 00	
88	4.00	11.00	3.72E 01	6.53E 00	2.83E 00	1.03E 01	1.12E 00	1.12E 00	
89	4.00	11.00	1.43E 01	2.53E 00	1.00E 00	2.72E 01	2.75E 00	2.75E 00	
90	4.00	11.00	1.62E 01	3.65E 00	1.14E 00	3.50E 01	3.53E 00	3.53E 00	
91	4.00	11.00	1.16E 01	2.03E 00	1.34E 00	2.72E 01	3.33E 00	3.33E 00	
92	4.00	11.00	5.87E 01	1.02E 01	4.21E 00	3.42E 01	1.42E 00	1.42E 00	
93	4.00	11.00	4.66E 01	8.15E 00	5.53E 00	4.25E 01	1.12E 00	1.12E 00	
94	4.00	11.00	3.72E 01	6.53E 00	2.83E 00	1.03E 01	1.12E 00	1.12E 00	
95	4.00	11.00	1.43E 01	2.53E 00	1.00E 00	2.72E 01	2.75E 00	2.75E 00	
96	4.00	11.00	1.62E 01	3.65E 00	1.14E 00	3.50E 01	3.53E 00	3.53E 00	
97	4.00	11.00	1.16E 01	2.03E 00	1.34E 00	2.72E 01	3.33E 00	3.33E 00	
98	4.00	11.00	5.87E 01	1.02E 01	4.21E 00	3.42E 01	1.42E 00	1.42E 00	
99	4.00	11.00	4.66E 01	8.15E 00	5.53E 00	4.25E 01	1.12E 00	1.12E 00	
100	4.00	11.00	3.72E 01	6.53E 00	2.83E 00	1.03E 01	1.12E 00	1.12E 00	
101	4.00	11.00	1.43E 01	2.53E 00	1.00E 00	2.72E 01	2.75E 00	2.75E 00	
102	4.00	11.00	1.62E 01	3.65E 00	1.14E 00	3.50E 01	3.53E 00	3.53E 00	
103	4.00	11.00	1.16E 01	2.03E 00	1.34E 00	2.72E 01	3.33E 00	3.33E 00	
104	4.00	11.00	5.87E 01	1.02E 01	4.21E 00	3.42E 01	1.42E 00	1.42E 00	
105	4.00	11.00	4.66E 01	8.15E 00	5.53E 00	4.25E 01	1.12E 00	1.12E 00	
106	4.00	11.00	3.72E 01	6.53E 00	2.83E 00	1.03E 01	1.12E 00	1.12E 00	
107	4.00	11.00	1.43E 01	2.53E 00	1.00E 00	2.72E 01	2.75E 00	2.75E 00	
108	4.00	11.00	1.62E 01	3.65E 00	1.14E 00	3.50E 01	3.53E 00	3.53E 00	
109	4.00	11.00	1.16E 01	2.03E 00	1.34E 00	2.72E 01	3.33E 00	3.33E 00	
110	4.00	11.00	5.87E 01	1.02E 01	4.21E 00	3.42E 01	1.42E 00	1.42E 00	
111	4.00	11.00	4.66E 01	8.15E 00	5.53E 00	4.25E 01	1.12E 00	1.12E 00	
112	4.00	11.00	3.72E 01	6.53E 00	2.83E 00	1.03E 01	1.12E 00	1.12E 00	
113	4.00	11.00	1.43E 01	2.53E 00	1.00E 00	2.72E 01	2.75E 00	2.75E 00	
114	4.00	11.00	1.62E 01	3.65E 00	1.14E 00	3.50E 01	3.53E 00	3.53E 00	
115	4.00	11.00	1.16E 01	2.03E 00	1.34E 00	2.72E 01	3.33E 00	3.33E 00	
116	4.00	11.00	5.87E 01	1.02E 01	4.21E 00	3.42E 01	1.42E 00	1.42E 00	
117	4.00	11.00	4.66E 01	8.15E 00	5.53E 00	4.25E 01	1.12E 00	1.12E 00	
118	4.00	11.00	3.72E 01	6.53E 00	2.83E 00	1.03E 01	1.12E 00	1.12E 00	
119	4.00	11.00	1.43E 01	2.53E 00	1.00E 00	2.72E 01	2.75E 00	2.75E 00	
120	4.00	11.00	1.62E 01	3.65E 00	1.14E 00	3.50E 01	3.53E 00	3.53E 00	

PCNT - MAY NAS MIRAPUR  
PERICC - 1200 TC 1300 HOURS ON A WEEKDAY

RECECTOR NUMBER	RECECTOR LOCATION		RECECTOR CONCENTRATION DATA FROM FAVORN SOLFCES										EXPECTED ARITHMETIC MEAN	
	(KILCMETERS) X	Y	CO	HC	(MICROGRAMS/CL. NCH	PTER)	FT	SC2						
1111	6.00	1.00	6.044E 01	1.065E 01	4.445E 00	1.264E 00	1.65E 00							
1112	7.00	1.00	1.474E 02	2.585E 02	1.111E 03	4.20E 04	6.37E 04							
1113	7.00	3.00	1.65E 02	7.59E 01	1.640E 01	6.44E 00	3.49E 00							
1114	7.00	7.00	2.157E 02	3.651E 01	1.624E 01	5.57E 00	3.70E 00							
1115	7.00	5.00	1.042E 02	1.833E 01	7.755E 00	2.33E 00	3.0E 00							
1116	7.00	7.00	1.102E 02	1.183E 01	8.040E 00	2.20E 00	3.41E 00							
1117	7.00	6.00	1.63E 02	3.023E 01	8.450E 00	2.38E 00	3.9E 00							
1118	7.00	10.00	2.54E 02	4.373E 01	1.96E 01	5.5E 00	1.13E 01							
1119	7.00	11.00	1.885E 02	3.245E 01	1.47E 00	6.44E 00	2.8E 00							
1120	7.00	11.00	1.376E 02	2.420E 01	1.02E 00	5.4E 00	1.2E 00							
1121	7.00	14.00	1.96E 02	1.09E 01	8.92E 00	3.33E 00	4.2E 00							
1122	7.00	15.00	2.071E 02	1.804E 01	7.78E 00	5.4E 00	4.3E 00							
1123	7.00	16.00	2.779E 02	3.634E 01	1.30E 00	6.44E 00	5.0E 00							
1124	8.00	14.00	2.645E 02	4.640E 01	2.00E 01	7.78E 00	5.0E 00							
1125	8.00	15.00	2.779E 02	4.82E 01	2.17E 00	8.43E 00	5.0E 00							
1126	8.00	16.00	1.158E 02	2.134E 01	1.85E 00	2.33E 00	1.04E 00							
1127	8.00	7.00	8.713E 01	1.547E 01	6.430E 00	1.34E 00	3.0E 00							
1128	8.00	5.00	5.531E 01	9.451E 00	3.94E 00	1.34E 00	1.0E 00							
1129	8.00	11.00	3.637E 02	3.234E 01	2.857E 00	1.34E 00	1.0E 00							
1130	8.00	12.00	5.846E 01	1.715E 01	7.750E 00	2.33E 00	1.0E 00							
1131	8.00	14.00	1.132E 02	3.757E 01	1.04E 00	5.4E 00	1.0E 00							
1132	8.00	15.00	1.695E 02	3.352E 01	1.27E 00	6.44E 00	1.0E 00							
1133	8.00	16.00	7.555E 02	1.273E 01	5.457E 00	2.33E 00	1.0E 00							
1134	8.00	17.00	3.004E 02	3.51E 01	1.11E 00	5.4E 00	1.0E 00							
1135	8.00	18.00	2.555E 02	3.51E 01	1.11E 00	5.4E 00	1.0E 00							
1136	8.00	19.00	2.555E 02	3.51E 01	1.11E 00	5.4E 00	1.0E 00							
1137	8.00	20.00	2.555E 02	3.51E 01	1.11E 00	5.4E 00	1.0E 00							
1138	8.00	21.00	2.555E 02	3.51E 01	1.11E 00	5.4E 00	1.0E 00							
1139	8.00	22.00	2.555E 02	3.51E 01	1.11E 00	5.4E 00	1.0E 00							
1140	8.00	23.00	2.555E 02	3.51E 01	1.11E 00	5.4E 00	1.0E 00							
1141	8.00	24.00	2.555E 02	3.51E 01	1.11E 00	5.4E 00	1.0E 00							
1142	8.00	25.00	2.555E 02	3.51E 01	1.11E 00	5.4E 00	1.0E 00							
1143	8.00	26.00	2.555E 02	3.51E 01	1.11E 00	5.4E 00	1.0E 00							
1144	8.00	27.00	2.555E 02	3.51E 01	1.11E 00	5.4E 00	1.0E 00							
1145	8.00	28.00	2.555E 02	3.51E 01	1.11E 00	5.4E 00	1.0E 00							
1146	8.00	29.00	2.555E 02	3.51E 01	1.11E 00	5.4E 00	1.0E 00							
1147	8.00	30.00	2.555E 02	3.51E 01	1.11E 00	5.4E 00	1.0E 00							
1148	8.00	31.00	2.555E 02	3.51E 01	1.11E 00	5.4E 00	1.0E 00							
1149	8.00	32.00	2.555E 02	3.51E 01	1.11E 00	5.4E 00	1.0E 00							
1150	8.00	33.00	2.555E 02	3.51E 01	1.11E 00	5.4E 00	1.0E 00							

PCATH = MAY NAS MIRAPAR PERIOD = 1200 TO 1300 HOURS ON A WEEKDAY

RECEFTOR CONCENTRATION DATA FROM ENVIRON SOURCES									
RECEFTOR LOCATION					EXPECTED ARITHMETIC MEAN				
RECEFTOR NUMBER	(MILCHTERS) Y	CO	HC	(MICROGRAMS/CU. FT) PT	SO2				
15	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
16	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
17	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
18	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
19	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
20	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
21	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
22	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
23	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
24	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
25	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
26	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
27	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
28	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
29	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
30	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
31	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
32	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
33	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
34	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
35	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
36	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
37	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
38	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
39	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
40	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
41	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
42	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
43	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
44	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
45	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
46	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
47	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
48	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
49	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01
50	5.00	1.00E 02	2.70E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01	1.00E 01

MCNTH = MAY NAS MIRAPAR  
PERICC - 1200 TC 1300 HOURS ON A WEEKDAY

RECEPTOR NUMBER	RECEPTOR LOCATION	RECEPTOR CONCENTRATION DATA FROM ENVIRON SCFCS									
		EXPECTED ARITHMETIC MEAN					SCFCS				
		CC	HC	PC	PT	SC2	CC	HC	PC	PT	SC2
166	11:00	6.879E 01	1.481E 01	5.785E 00	3.425E 00	4.386E 00	6.879E 01	1.481E 01	5.785E 00	3.425E 00	4.386E 00
167	11:00	6.514E 01	1.375E 01	5.404E 00	3.041E 00	3.985E 00	6.514E 01	1.375E 01	5.404E 00	3.041E 00	3.985E 00
168	11:00	2.797E 02	5.065E 01	2.552E 01	5.525E 01	1.115E 01	2.797E 02	5.065E 01	2.552E 01	5.525E 01	1.115E 01
169	11:00	3.157E 02	5.711E 01	2.410E 01	5.425E 00	1.785E 01	3.157E 02	5.711E 01	2.410E 01	5.425E 00	1.785E 01
170	11:00	3.615E 02	6.425E 01	2.504E 01	1.031E 01	1.446E 01	3.615E 02	6.425E 01	2.504E 01	1.031E 01	1.446E 01
171	12:00	4.781E 00	8.355E 00	3.628E 01	1.401E 01	2.555E 00	4.781E 00	8.355E 00	3.628E 01	1.401E 01	2.555E 00
172	12:00	1.070E 01	1.584E 00	1.417E 01	1.234E 01	2.555E 00	1.070E 01	1.584E 00	1.417E 01	1.234E 01	2.555E 00
173	12:00	8.530E 00	4.555E 00	1.175E 01	1.525E 01	2.555E 00	8.530E 00	4.555E 00	1.175E 01	1.525E 01	2.555E 00
174	12:00	2.010E 02	4.455E 00	1.175E 01	1.525E 01	2.555E 00	2.010E 02	4.455E 00	1.175E 01	1.525E 01	2.555E 00
175	12:00	1.315E 02	2.955E 00	1.175E 01	1.525E 01	2.555E 00	1.315E 02	2.955E 00	1.175E 01	1.525E 01	2.555E 00
176	12:00	6.255E 01	2.255E 00	1.175E 01	1.525E 01	2.555E 00	6.255E 01	2.255E 00	1.175E 01	1.525E 01	2.555E 00
177	12:00	1.594E 01	1.765E 00	1.175E 01	1.525E 01	2.555E 00	1.594E 01	1.765E 00	1.175E 01	1.525E 01	2.555E 00
178	12:00	1.815E 01	2.065E 00	1.175E 01	1.525E 01	2.555E 00	1.815E 01	2.065E 00	1.175E 01	1.525E 01	2.555E 00
179	12:00	2.405E 01	4.555E 00	1.175E 01	1.525E 01	2.555E 00	2.405E 01	4.555E 00	1.175E 01	1.525E 01	2.555E 00
180	12:00	3.155E 01	5.555E 00	1.175E 01	1.525E 01	2.555E 00	3.155E 01	5.555E 00	1.175E 01	1.525E 01	2.555E 00
181	12:00	3.425E 01	6.255E 00	1.175E 01	1.525E 01	2.555E 00	3.425E 01	6.255E 00	1.175E 01	1.525E 01	2.555E 00
182	12:00	1.655E 01	2.955E 00	1.175E 01	1.525E 01	2.555E 00	1.655E 01	2.955E 00	1.175E 01	1.525E 01	2.555E 00
183	12:00	5.774E 01	1.385E 00	1.175E 01	1.525E 01	2.555E 00	5.774E 01	1.385E 00	1.175E 01	1.525E 01	2.555E 00
184	12:00	9.388E 01	2.065E 00	1.175E 01	1.525E 01	2.555E 00	9.388E 01	2.065E 00	1.175E 01	1.525E 01	2.555E 00
185	12:00	7.155E 01	1.845E 00	1.175E 01	1.525E 01	2.555E 00	7.155E 01	1.845E 00	1.175E 01	1.525E 01	2.555E 00
186	12:00	7.502E 01	1.845E 00	1.175E 01	1.525E 01	2.555E 00	7.502E 01	1.845E 00	1.175E 01	1.525E 01	2.555E 00
187	12:00	7.575E 01	1.845E 00	1.175E 01	1.525E 01	2.555E 00	7.575E 01	1.845E 00	1.175E 01	1.525E 01	2.555E 00
188	12:00	1.387E 02	2.755E 00	1.175E 01	1.525E 01	2.555E 00	1.387E 02	2.755E 00	1.175E 01	1.525E 01	2.555E 00
189	12:00	2.546E 02	3.455E 00	1.175E 01	1.525E 01	2.555E 00	2.546E 02	3.455E 00	1.175E 01	1.525E 01	2.555E 00
190	12:00	2.546E 02	3.455E 00	1.175E 01	1.525E 01	2.555E 00	2.546E 02	3.455E 00	1.175E 01	1.525E 01	2.555E 00

NCNTH = MAY PERIOD = 1200 TO 1300 HOURS ON A WEEKDAY

RECECTOR CONCENTRATION DATA FROM ENVIRON SOURCES									
EXPECTED ARITHMETIC MEAN									
RECECTOR NUMBER	RECECTOR LOCATION								
	(KILGAPTES) X	Y	CO	PC	(MICROGRAMS/CL. METER) NCX	FT	S02		
2232	13.00	14.00	2.94E-01	5.02E-01	2.06E-01	5.06E-01	1.08E-01		
2233	14.00	15.00	1.16E-01	2.04E-01	8.83E-01	3.41E-01	1.50E-01		
2234	14.00	16.00	3.03E-01	6.20E-01	2.07E-01	1.61E-01	1.71E-01		
2235	14.00	17.00	2.76E-01	5.10E-01	1.98E-01	6.12E-01	1.47E-01		
2236	14.00	18.00	1.02E-01	1.93E-01	7.58E-01	2.54E-01	1.85E-01		
2237	14.00	19.00	6.05E-01	1.58E-01	5.67E-01	2.54E-01	2.31E-01		
2238	14.00	20.00	4.93E-01	1.31E-01	4.86E-01	2.80E-01	2.80E-01		
2239	14.00	21.00	5.91E-01	1.51E-01	5.32E-01	3.24E-01	3.01E-01		
2240	14.00	22.00	6.24E-01	1.54E-01	5.56E-01	3.76E-01	4.37E-01		
2241	14.00	23.00	1.13E-01	2.35E-01	5.29E-01	4.58E-01	5.10E-01		
2242	14.00	24.00	2.48E-01	4.18E-01	1.95E-01	5.12E-01	8.17E-01		
2243	14.00	25.00	2.77E-01	5.42E-01	1.75E-01	5.12E-01	8.17E-01		
2244	14.00	26.00	1.01E-01	1.34E-01	8.22E-01	3.05E-01	4.82E-01		
2245	14.00	27.00	2.35E-01	1.53E-01	5.20E-01	2.50E-01	4.25E-01		
2246	14.00	28.00	3.08E-01	5.55E-01	2.03E-01	5.09E-01	6.25E-01		
2247	14.00	29.00	1.13E-01	5.24E-01	2.96E-01	2.30E-01	1.40E-01		
2248	14.00	30.00	5.95E-01	1.94E-01	4.56E-01	1.52E-01	1.35E-01		
2249	14.00	31.00	4.53E-01	1.70E-01	4.94E-01	2.50E-01	1.35E-01		
2250	14.00	32.00	4.53E-01	1.70E-01	4.94E-01	2.50E-01	1.35E-01		
2251	14.00	33.00	1.00E-01	1.31E-01	4.02E-01	3.50E-01	2.71E-01		
2252	14.00	34.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2253	14.00	35.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2254	14.00	36.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2255	14.00	37.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2256	14.00	38.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2257	14.00	39.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2258	14.00	40.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2259	14.00	41.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2260	14.00	42.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2261	14.00	43.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2262	14.00	44.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2263	14.00	45.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2264	14.00	46.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2265	14.00	47.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2266	14.00	48.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2267	14.00	49.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2268	14.00	50.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2269	14.00	51.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2270	14.00	52.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2271	14.00	53.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2272	14.00	54.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2273	14.00	55.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2274	14.00	56.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2275	14.00	57.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2276	14.00	58.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2277	14.00	59.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2278	14.00	60.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2279	14.00	61.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2280	14.00	62.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2281	14.00	63.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2282	14.00	64.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2283	14.00	65.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2284	14.00	66.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2285	14.00	67.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2286	14.00	68.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2287	14.00	69.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2288	14.00	70.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2289	14.00	71.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2290	14.00	72.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2291	14.00	73.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2292	14.00	74.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2293	14.00	75.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2294	14.00	76.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2295	14.00	77.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2296	14.00	78.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2297	14.00	79.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2298	14.00	80.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2299	14.00	81.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2300	14.00	82.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2301	14.00	83.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2302	14.00	84.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2303	14.00	85.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2304	14.00	86.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2305	14.00	87.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2306	14.00	88.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2307	14.00	89.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2308	14.00	90.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2309	14.00	91.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2310	14.00	92.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2311	14.00	93.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2312	14.00	94.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2313	14.00	95.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2314	14.00	96.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2315	14.00	97.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2316	14.00	98.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2317	14.00	99.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		
2318	14.00	100.00	1.00E-01	1.31E-01	1.08E-01	3.50E-01	2.71E-01		

**PRICE - 1200 TO 1300 HOURS ON A WEEKDAY**

RECEPTOR NUMBER	RECEPTOR LOCATION		RECEPTOR CONCENTRATION DATA FROM ENVIRON SOURCES							EXPECTED ARITHMETIC MEAN
	(MILFEET) X	(MILFEET) Y	CU	HC	(MICROGRAMS/CL. PETER) NCX	PT	SC2			
260	15.00	3.00	1.278E-01	2.453E-01	5.570E-03	3.071E-00	3.500E-00			
261	15.00	4.00	1.208E-01	2.453E-01	6.611E-03	3.071E-00	3.500E-00			
262	15.00	5.00	1.450E-01	2.547E-00	1.043E-01	2.547E-00	2.547E-00			
263	15.00	7.00	1.502E-01	2.547E-00	3.570E-03	2.547E-00	2.547E-00			
264	15.00	5.00	3.093E-01	7.274E-00	3.500E-03	1.233E-00	1.233E-00			
265	15.00	10.00	4.145E-01	1.011E-01	3.570E-03	1.233E-00	1.233E-00			
266	15.00	12.00	4.775E-01	1.185E-01	4.125E-03	2.443E-00	2.443E-00			
267	15.00	13.00	1.1520E-02	2.547E-00	1.1170E-01	2.443E-00	2.443E-00			
268	15.00	14.00	1.673E-02	2.547E-00	1.202E-01	4.233E-00	4.233E-00			
269	15.00	16.00	3.588E-03	2.547E-00	3.020E-03	1.110E-00	1.110E-00			
270	17.00	1.00	1.866E-04	2.000E-00	8.974E-06	3.471E-01	3.471E-01			
271	17.00	3.00	1.778E-01	3.620E-00	2.560E-00	3.543E-01	3.543E-01			
272	17.00	4.00	5.913E-01	1.025E-01	4.200E-00	8.900E-00	1.025E-00			
273	17.00	5.00	5.897E-01	1.025E-01	4.200E-00	8.900E-00	1.025E-00			
274	17.00	6.00	3.954E-01	6.250E-00	2.833E-00	1.100E-01	1.100E-01			
280	17.00	7.00	2.573E-01	4.540E-00	1.917E-00	3.220E-00	3.220E-00			
281	17.00	8.00	2.680E-01	4.540E-00	2.118E-00	3.220E-00	3.220E-00			
282	17.00	9.00	3.954E-01	7.250E-00	3.840E-00	3.220E-00	3.220E-00			
283	17.00	10.00	3.954E-01	7.250E-00	3.840E-00	3.220E-00	3.220E-00			
284	17.00	11.00	1.000E-01	1.000E-00	1.000E-00	1.000E-00	1.000E-00			
285	17.00	12.00	1.000E-01	1.000E-00	1.000E-00	1.000E-00	1.000E-00			
286	17.00	13.00	1.000E-01	1.000E-00	1.000E-00	1.000E-00	1.000E-00			
287	17.00	14.00	1.000E-01	1.000E-00	1.000E-00	1.000E-00	1.000E-00			
288	17.00	15.00	1.000E-01	1.000E-00	1.000E-00	1.000E-00	1.000E-00			
289	17.00	16.00	1.000E-01	1.000E-00	1.000E-00	1.000E-00	1.000E-00			
290	17.00	17.00	1.000E-01	1.000E-00	1.000E-00	1.000E-00	1.000E-00			
291	17.00	18.00	1.000E-01	1.000E-00	1.000E-00	1.000E-00	1.000E-00			
292	17.00	19.00	1.000E-01	1.000E-00	1.000E-00	1.000E-00	1.000E-00			
293	17.00	20.00	1.000E-01	1.000E-00	1.000E-00	1.000E-00	1.000E-00			
294	17.00	21.00	1.000E-01	1.000E-00	1.000E-00	1.000E-00	1.000E-00			
295	17.00	22.00	1.000E-01	1.000E-00	1.000E-00	1.000E-00	1.000E-00			



PCNTH = MAY  
 PERIOD = 1200 TO 1300 HOURS ON A WEEKDAY

RECEPTOR NUMBER	RECEPTOR LOCATION		RECEPTOR CONCENTRATION DATA FROM ENVIRON SOURCES									
	RECEPTOR LOCATION		EXPECTED ARITHMETIC MEAN									
	(KILOMETERS) X	(KILOMETERS) Y	CC	PC	(MICROGRAMS/CC. METER) MCX	FT	SO2					
257	18.00	6.00	1.83E 01	3.56E 00	1.37E 00	4.33E 01	4.40E 01					
258	18.00	5.00	3.00E 01	5.47E 00	1.00E 00	6.33E 01	5.00E 01					
259	18.00	10.00	2.50E 01	7.75E 00	2.88E 00	8.24E 01	5.04E 01					
301	18.00	12.00	5.01E 01	1.12E 01	4.28E 00	1.74E 00	1.72E 00					
302	18.00	14.00	5.54E 01	2.14E 01	8.44E 00	1.54E 00	1.53E 00					
303	18.00	15.00	9.99E 01	1.94E 01	7.59E 00	2.54E 00	3.56E 00					
304	15.00	1.00	5.24E 02	9.06E 02	3.73E 03	7.86E 04	8.87E 04					
305	15.00	3.00	4.31E 01	7.65E 00	3.07E 01	6.47E 01	7.40E 01					
306	15.00	5.00	2.00E 01	1.58E 00	1.41E 00	3.73E 01	1.50E 01					
307	15.00	7.00	2.50E 01	3.34E 00	1.80E 00	4.73E 01	4.03E 01					
308	15.00	9.00	1.40E 01	2.44E 00	1.78E 00	2.53E 01	2.56E 01					
309	15.00	11.00	1.50E 01	3.76E 00	1.13E 00	3.73E 01	3.75E 01					
310	15.00	13.00	2.20E 01	4.44E 00	1.17E 00	3.55E 01	3.57E 01					
311	15.00	15.00	2.60E 01	5.45E 00	2.07E 00	8.45E 01	7.12E 01					
312	15.00	17.00	3.00E 01	1.53E 01	3.53E 01	1.02E 00	1.05E 00					
313	15.00	19.00	8.38E 01	1.57E 01	9.21E 00	2.17E 00	2.17E 00					
314	20.00	1.00	5.27E 03	9.15E 04	3.76E 04	7.51E 05	5.42E 05					
315	20.00	3.00	9.02E 02	1.56E 03	6.44E 03	1.51E 05	5.42E 05					
316	20.00	5.00	8.03E 01	1.30E 00	5.00E 00	1.45E 00	1.45E 00					
317	20.00	7.00	1.72E 01	2.96E 00	1.27E 00	2.42E 00	2.42E 00					
318	20.00	9.00	2.30E 01	4.10E 00	1.63E 00	5.71E 00	5.71E 00					
319	20.00	11.00	2.30E 01	5.10E 00	1.95E 00	6.04E 00	6.04E 00					
320	20.00	13.00	2.30E 01	5.10E 00	1.95E 00	6.04E 00	6.04E 00					



MONTH - MAY NAS MIRAPAR PERIOD - 1200 TO 1300 HOURS ON A WEEKDAY

RECEPTOR NUMBER	RECEPTOR LOCATION		RECEPTOR CONCENTRATION DATA FROM ENVIRON SOURCES										EXPECTED ARITHMETIC MEAN	
	(KILG/FEET)	Y	X	CC	HC	GRAMS/CL. METER	FT	SO2						
3001	20.00	13.00	4.239E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3002	20.00	15.00	4.3510E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3003	20.00	17.00	4.4630E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3004	20.00	19.00	4.5750E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3005	20.00	21.00	4.6870E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3006	20.00	23.00	4.7990E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3007	20.00	25.00	4.9110E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3008	20.00	27.00	5.0230E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3009	20.00	29.00	5.1350E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3010	20.00	31.00	5.2470E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3011	20.00	33.00	5.3590E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3012	20.00	35.00	5.4710E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3013	20.00	37.00	5.5830E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3014	20.00	39.00	5.6950E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3015	20.00	41.00	5.8070E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3016	20.00	43.00	5.9190E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3017	20.00	45.00	6.0310E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3018	20.00	47.00	6.1430E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3019	20.00	49.00	6.2550E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3020	20.00	51.00	6.3670E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3021	20.00	53.00	6.4790E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3022	20.00	55.00	6.5910E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3023	20.00	57.00	6.7030E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3024	20.00	59.00	6.8150E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3025	20.00	61.00	6.9270E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3026	20.00	63.00	7.0390E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3027	20.00	65.00	7.1510E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3028	20.00	67.00	7.2630E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3029	20.00	69.00	7.3750E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3030	20.00	71.00	7.4870E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3031	20.00	73.00	7.5990E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3032	20.00	75.00	7.7110E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3033	20.00	77.00	7.8230E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3034	20.00	79.00	7.9350E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3035	20.00	81.00	8.0470E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3036	20.00	83.00	8.1590E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3037	20.00	85.00	8.2710E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3038	20.00	87.00	8.3830E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3039	20.00	89.00	8.4950E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3040	20.00	91.00	8.6070E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3041	20.00	93.00	8.7190E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3042	20.00	95.00	8.8310E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3043	20.00	97.00	8.9430E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3044	20.00	99.00	9.0550E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3045	20.00	101.00	9.1670E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3046	20.00	103.00	9.2790E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3047	20.00	105.00	9.3910E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3048	20.00	107.00	9.5030E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3049	20.00	109.00	9.6150E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3050	20.00	111.00	9.7270E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3051	20.00	113.00	9.8390E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3052	20.00	115.00	9.9510E-01	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3053	20.00	117.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3054	20.00	119.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3055	20.00	121.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3056	20.00	123.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3057	20.00	125.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3058	20.00	127.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3059	20.00	129.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3060	20.00	131.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3061	20.00	133.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3062	20.00	135.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3063	20.00	137.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3064	20.00	139.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3065	20.00	141.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3066	20.00	143.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3067	20.00	145.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3068	20.00	147.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3069	20.00	149.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3070	20.00	151.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3071	20.00	153.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3072	20.00	155.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3073	20.00	157.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3074	20.00	159.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3075	20.00	161.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3076	20.00	163.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3077	20.00	165.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3078	20.00	167.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3079	20.00	169.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3080	20.00	171.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3081	20.00	173.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3082	20.00	175.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3083	20.00	177.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3084	20.00	179.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3085	20.00	181.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3086	20.00	183.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3087	20.00	185.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3088	20.00	187.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3089	20.00	189.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3090	20.00	191.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3091	20.00	193.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3092	20.00	195.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3093	20.00	197.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3094	20.00	199.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3095	20.00	201.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3096	20.00	203.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3097	20.00	205.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3098	20.00	207.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3099	20.00	209.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						
3100	20.00	211.00	1.00E-00	1.01E-00	3.00E-00	1.124E-00	1.124E-00	1.15E-00						

PCNTH = MAY NAS MIRAPAR  
PERICC = 1200 TO 1300 HOURS ON A WEEKDAY

RECEPTOR ACRUEP	RECEPTOR LOCATION	RECEPTOR CONCENTRATION DATA FROM ENVIRON SCUFES										EXPECTED ARITHMETIC MEAN	
		(MILICMETERS) X		CO		PC		(MICROGRAMS/CC. METER) NCX		FT		SO2	
371	23:00	23:00	3:00	1.454E-07	2.00E-06	1.17E-06	1.00E-06	1.00E-06	1.00E-06	2.71E-04	1.71E-04	1.71E-04	1.71E-04
372	23:00	23:00	4:00	2.89E-06	3.78E-06	3.78E-06	1.57E-06	1.57E-06	1.57E-06	4.27E-04	4.27E-04	4.27E-04	4.27E-04
373	23:00	23:00	5:00	3.570E-06	6.11E-06	6.11E-06	2.53E-06	2.53E-06	2.53E-06	5.53E-04	5.53E-04	5.53E-04	5.53E-04
374	23:00	23:00	6:00	5.52E-06	9.47E-06	9.47E-06	3.90E-06	3.90E-06	3.90E-06	8.88E-04	8.88E-04	8.88E-04	8.88E-04
375	23:00	23:00	7:00	1.027E-06	1.77E-06	1.77E-06	7.24E-06	7.24E-06	7.24E-06	1.77E-04	1.77E-04	1.77E-04	1.77E-04
376	23:00	23:00	8:00	1.250E-06	2.14E-06	2.14E-06	8.49E-06	8.49E-06	8.49E-06	2.14E-04	2.14E-04	2.14E-04	2.14E-04
377	23:00	23:00	9:00	1.311E-06	2.33E-06	2.33E-06	9.44E-06	9.44E-06	9.44E-06	2.33E-04	2.33E-04	2.33E-04	2.33E-04
378	23:00	23:00	10:00	1.457E-06	3.18E-06	3.18E-06	1.23E-06	1.23E-06	1.23E-06	3.18E-04	3.18E-04	3.18E-04	3.18E-04
379	23:00	23:00	11:00	1.624E-06	3.78E-06	3.78E-06	1.45E-06	1.45E-06	1.45E-06	3.78E-04	3.78E-04	3.78E-04	3.78E-04
380	23:00	23:00	12:00	1.98E-06	4.45E-06	4.45E-06	1.88E-06	1.88E-06	1.88E-06	4.45E-04	4.45E-04	4.45E-04	4.45E-04
381	23:00	23:00	13:00	2.33E-06	5.11E-06	5.11E-06	2.33E-06	2.33E-06	2.33E-06	5.11E-04	5.11E-04	5.11E-04	5.11E-04
382	23:00	23:00	14:00	2.78E-06	5.88E-06	5.88E-06	2.78E-06	2.78E-06	2.78E-06	5.88E-04	5.88E-04	5.88E-04	5.88E-04
383	23:00	23:00	15:00	3.18E-06	6.66E-06	6.66E-06	3.18E-06	3.18E-06	3.18E-06	6.66E-04	6.66E-04	6.66E-04	6.66E-04
384	23:00	23:00	16:00	3.57E-06	7.24E-06	7.24E-06	3.57E-06	3.57E-06	3.57E-06	7.24E-04	7.24E-04	7.24E-04	7.24E-04
385	23:00	23:00	17:00	3.90E-06	7.81E-06	7.81E-06	3.90E-06	3.90E-06	3.90E-06	7.81E-04	7.81E-04	7.81E-04	7.81E-04
386	23:00	23:00	18:00	4.27E-06	8.49E-06	8.49E-06	4.27E-06	4.27E-06	4.27E-06	8.49E-04	8.49E-04	8.49E-04	8.49E-04
387	23:00	23:00	19:00	4.64E-06	9.17E-06	9.17E-06	4.64E-06	4.64E-06	4.64E-06	9.17E-04	9.17E-04	9.17E-04	9.17E-04
388	23:00	23:00	20:00	5.02E-06	9.85E-06	9.85E-06	5.02E-06	5.02E-06	5.02E-06	9.85E-04	9.85E-04	9.85E-04	9.85E-04
389	23:00	23:00	21:00	5.40E-06	1.05E-05	1.05E-05	5.40E-06	5.40E-06	5.40E-06	1.05E-04	1.05E-04	1.05E-04	1.05E-04
390	23:00	23:00	22:00	5.78E-06	1.11E-05	1.11E-05	5.78E-06	5.78E-06	5.78E-06	1.11E-04	1.11E-04	1.11E-04	1.11E-04
391	23:00	23:00	23:00	6.16E-06	1.17E-05	1.17E-05	6.16E-06	6.16E-06	6.16E-06	1.17E-04	1.17E-04	1.17E-04	1.17E-04
392	23:00	23:00	24:00	6.54E-06	1.23E-05	1.23E-05	6.54E-06	6.54E-06	6.54E-06	1.23E-04	1.23E-04	1.23E-04	1.23E-04
393	23:00	23:00	25:00	6.92E-06	1.29E-05	1.29E-05	6.92E-06	6.92E-06	6.92E-06	1.29E-04	1.29E-04	1.29E-04	1.29E-04
394	23:00	23:00	26:00	7.30E-06	1.35E-05	1.35E-05	7.30E-06	7.30E-06	7.30E-06	1.35E-04	1.35E-04	1.35E-04	1.35E-04
395	23:00	23:00	27:00	7.68E-06	1.41E-05	1.41E-05	7.68E-06	7.68E-06	7.68E-06	1.41E-04	1.41E-04	1.41E-04	1.41E-04
396	23:00	23:00	28:00	8.06E-06	1.47E-05	1.47E-05	8.06E-06	8.06E-06	8.06E-06	1.47E-04	1.47E-04	1.47E-04	1.47E-04
397	23:00	23:00	29:00	8.44E-06	1.53E-05	1.53E-05	8.44E-06	8.44E-06	8.44E-06	1.53E-04	1.53E-04	1.53E-04	1.53E-04
398	23:00	23:00	30:00	8.82E-06	1.59E-05	1.59E-05	8.82E-06	8.82E-06	8.82E-06	1.59E-04	1.59E-04	1.59E-04	1.59E-04
399	23:00	23:00	31:00	9.20E-06	1.65E-05	1.65E-05	9.20E-06	9.20E-06	9.20E-06	1.65E-04	1.65E-04	1.65E-04	1.65E-04
400	23:00	23:00	32:00	9.58E-06	1.71E-05	1.71E-05	9.58E-06	9.58E-06	9.58E-06	1.71E-04	1.71E-04	1.71E-04	1.71E-04

MONTH = MAY NAS MIRAPUR RECEPTOR CONCENTRATION DATA FROM AIRCRAFT SCUPCES  
 PERIOD = 1200 TO 1300 HOURS ON A WEEKDAY

RECEPTOR NUMBER	RECEPTOR LOCATION	RECEPTOR LOCATION (KILOMETERS) X	RECEPTOR LOCATION (KILOMETERS) Y	CO	HC	(MICROGRAMS/CL. METER) NCX	FT	SO2
1001	1001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1002	1002	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1003	1003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1004	1004	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1005	1005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1006	1006	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1007	1007	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1008	1008	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1009	1009	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1010	1010	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1011	1011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1012	1012	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1013	1013	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1014	1014	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1015	1015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1016	1016	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1017	1017	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1018	1018	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1019	1019	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1020	1020	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1021	1021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1022	1022	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1023	1023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1024	1024	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1025	1025	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1026	1026	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1027	1027	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1028	1028	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1029	1029	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1030	1030	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1031	1031	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1032	1032	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1033	1033	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1034	1034	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1035	1035	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1036	1036	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1037	1037	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1038	1038	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1039	1039	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1040	1040	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1041	1041	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1042	1042	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1043	1043	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1044	1044	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1045	1045	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1046	1046	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1047	1047	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1048	1048	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1049	1049	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1050	1050	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**NAS-1124-19**

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED

NAS PERIOD - 1200 TC 1300 HOURS CN A WEEKDAY

**NAS-1124-19**

RECEPTOR ALIAS	RECEPTOR LOCATION	RECEPTOR CONCENTRATION DATA FROM AIRPORT SOURCES					EXPECTED ARITHMETIC MEAN
		X (KILOMETERS)	Y (KILOMETERS)	CG	PC (MICROGRAMS/CL. METER)	PT	
333	3.00	5.00	0.00	0.00	0.00	0.00	0.00
444	3.00	7.00	0.00	0.00	0.00	0.00	0.00
444	2.00	5.00	0.00	0.00	0.00	0.00	0.00
444	2.00	10.00	0.00	0.00	0.00	0.00	0.00
444	2.00	12.00	0.00	0.00	0.00	0.00	0.00
444	2.00	3.00	0.00	0.00	0.00	0.00	0.00
444	2.00	5.00	0.00	0.00	0.00	0.00	0.00
444	0.00	0.00	0.00	0.00	0.00	0.00	0.00
444	0.00	2.00	0.00	0.00	0.00	0.00	0.00
444	0.00	5.00	0.00	0.00	0.00	0.00	0.00
444	0.00	7.00	0.00	0.00	0.00	0.00	0.00
444	0.00	9.00	0.00	0.00	0.00	0.00	0.00
444	0.00	11.00	0.00	0.00	0.00	0.00	0.00
444	0.00	13.00	0.00	0.00	0.00	0.00	0.00
444	0.00	15.00	0.00	0.00	0.00	0.00	0.00
444	0.00	17.00	0.00	0.00	0.00	0.00	0.00
444	0.00	19.00	0.00	0.00	0.00	0.00	0.00
444	0.00	21.00	0.00	0.00	0.00	0.00	0.00
444	0.00	23.00	0.00	0.00	0.00	0.00	0.00
444	0.00	25.00	0.00	0.00	0.00	0.00	0.00
444	0.00	27.00	0.00	0.00	0.00	0.00	0.00
444	0.00	29.00	0.00	0.00	0.00	0.00	0.00
444	0.00	31.00	0.00	0.00	0.00	0.00	0.00
444	0.00	33.00	0.00	0.00	0.00	0.00	0.00
444	0.00	35.00	0.00	0.00	0.00	0.00	0.00
444	0.00	37.00	0.00	0.00	0.00	0.00	0.00
444	0.00	39.00	0.00	0.00	0.00	0.00	0.00
444	0.00	41.00	0.00	0.00	0.00	0.00	0.00
444	0.00	43.00	0.00	0.00	0.00	0.00	0.00
444	0.00	45.00	0.00	0.00	0.00	0.00	0.00
444	0.00	47.00	0.00	0.00	0.00	0.00	0.00
444	0.00	49.00	0.00	0.00	0.00	0.00	0.00
444	0.00	51.00	0.00	0.00	0.00	0.00	0.00
444	0.00	53.00	0.00	0.00	0.00	0.00	0.00
444	0.00	55.00	0.00	0.00	0.00	0.00	0.00
444	0.00	57.00	0.00	0.00	0.00	0.00	0.00
444	0.00	59.00	0.00	0.00	0.00	0.00	0.00
444	0.00	61.00	0.00	0.00	0.00	0.00	0.00
444	0.00	63.00	0.00	0.00	0.00	0.00	0.00
444	0.00	65.00	0.00	0.00	0.00	0.00	0.00
444	0.00	67.00	0.00	0.00	0.00	0.00	0.00
444	0.00	69.00	0.00	0.00	0.00	0.00	0.00
444	0.00	71.00	0.00	0.00	0.00	0.00	0.00
444	0.00	73.00	0.00	0.00	0.00	0.00	0.00

MONTH = MAY NPS MINAPAR  
PERIOD = 1200 TO 1300 HOURS ON A WEEKDAY

RECEIVER NUMBER	RECEIVER LOCATION		RECEPTOR CONCENTRATION DATA FROM AIRPORT SOURCES							EXPECTED ARITHMETIC MEAN	
	X (KILOMETERS)	Y	CO	PC (MICROGRAMS/CL. METER)	NCX	FT	SO2				
75	4.00	10.00	0.0	0.0	0.0	0.0	0.0				
76	4.00	11.00	0.0	0.0	0.0	0.0	0.0				
77	4.00	12.00	0.0	0.0	0.0	0.0	0.0				
78	4.00	13.00	0.0	0.0	0.0	0.0	0.0				
79	4.00	14.00	0.0	0.0	0.0	0.0	0.0				
80	4.00	15.00	0.0	0.0	0.0	0.0	0.0				
81	4.00	16.00	0.0	0.0	0.0	0.0	0.0				
82	4.00	17.00	0.0	0.0	0.0	0.0	0.0				
83	4.00	18.00	0.0	0.0	0.0	0.0	0.0				
84	4.00	19.00	0.0	0.0	0.0	0.0	0.0				
85	4.00	20.00	0.0	0.0	0.0	0.0	0.0				
86	4.00	21.00	0.0	0.0	0.0	0.0	0.0				
87	4.00	22.00	0.0	0.0	0.0	0.0	0.0				
88	4.00	23.00	0.0	0.0	0.0	0.0	0.0				
89	4.00	24.00	0.0	0.0	0.0	0.0	0.0				
90	4.00	25.00	0.0	0.0	0.0	0.0	0.0				
91	4.00	26.00	0.0	0.0	0.0	0.0	0.0				
92	4.00	27.00	0.0	0.0	0.0	0.0	0.0				
93	4.00	28.00	0.0	0.0	0.0	0.0	0.0				
94	4.00	29.00	0.0	0.0	0.0	0.0	0.0				
95	4.00	30.00	0.0	0.0	0.0	0.0	0.0				
96	4.00	31.00	0.0	0.0	0.0	0.0	0.0				
97	4.00	32.00	0.0	0.0	0.0	0.0	0.0				
98	4.00	33.00	0.0	0.0	0.0	0.0	0.0				
99	4.00	34.00	0.0	0.0	0.0	0.0	0.0				
100	4.00	35.00	0.0	0.0	0.0	0.0	0.0				
101	4.00	36.00	0.0	0.0	0.0	0.0	0.0				
102	4.00	37.00	0.0	0.0	0.0	0.0	0.0				
103	4.00	38.00	0.0	0.0	0.0	0.0	0.0				
104	4.00	39.00	0.0	0.0	0.0	0.0	0.0				
105	4.00	40.00	0.0	0.0	0.0	0.0	0.0				
106	4.00	41.00	0.0	0.0	0.0	0.0	0.0				
107	4.00	42.00	0.0	0.0	0.0	0.0	0.0				
108	4.00	43.00	0.0	0.0	0.0	0.0	0.0				
109	4.00	44.00	0.0	0.0	0.0	0.0	0.0				
110	4.00	45.00	0.0	0.0	0.0	0.0	0.0				
111	4.00	46.00	0.0	0.0	0.0	0.0	0.0				
112	4.00	47.00	0.0	0.0	0.0	0.0	0.0				
113	4.00	48.00	0.0	0.0	0.0	0.0	0.0				
114	4.00	49.00	0.0	0.0	0.0	0.0	0.0				
115	4.00	50.00	0.0	0.0	0.0	0.0	0.0				
116	4.00	51.00	0.0	0.0	0.0	0.0	0.0				
117	4.00	52.00	0.0	0.0	0.0	0.0	0.0				
118	4.00	53.00	0.0	0.0	0.0	0.0	0.0				
119	4.00	54.00	0.0	0.0	0.0	0.0	0.0				
120	4.00	55.00	0.0	0.0	0.0	0.0	0.0				
121	4.00	56.00	0.0	0.0	0.0	0.0	0.0				
122	4.00	57.00	0.0	0.0	0.0	0.0	0.0				
123	4.00	58.00	0.0	0.0	0.0	0.0	0.0				
124	4.00	59.00	0.0	0.0	0.0	0.0	0.0				
125	4.00	60.00	0.0	0.0	0.0	0.0	0.0				
126	4.00	61.00	0.0	0.0	0.0	0.0	0.0				
127	4.00	62.00	0.0	0.0	0.0	0.0	0.0				
128	4.00	63.00	0.0	0.0	0.0	0.0	0.0				
129	4.00	64.00	0.0	0.0	0.0	0.0	0.0				
130	4.00	65.00	0.0	0.0	0.0	0.0	0.0				
131	4.00	66.00	0.0	0.0	0.0	0.0	0.0				
132	4.00	67.00	0.0	0.0	0.0	0.0	0.0				
133	4.00	68.00	0.0	0.0	0.0	0.0	0.0				
134	4.00	69.00	0.0	0.0	0.0	0.0	0.0				
135	4.00	70.00	0.0	0.0	0.0	0.0	0.0				
136	4.00	71.00	0.0	0.0	0.0	0.0	0.0				
137	4.00	72.00	0.0	0.0	0.0	0.0	0.0				
138	4.00	73.00	0.0	0.0	0.0	0.0	0.0				
139	4.00	74.00	0.0	0.0	0.0	0.0	0.0				
140	4.00	75.00	0.0	0.0	0.0	0.0	0.0				
141	4.00	76.00	0.0	0.0	0.0	0.0	0.0				
142	4.00	77.00	0.0	0.0	0.0	0.0	0.0				
143	4.00	78.00	0.0	0.0	0.0	0.0	0.0				
144	4.00	79.00	0.0	0.0	0.0	0.0	0.0				
145	4.00	80.00	0.0	0.0	0.0	0.0	0.0				
146	4.00	81.00	0.0	0.0	0.0	0.0	0.0				
147	4.00	82.00	0.0	0.0	0.0	0.0	0.0				
148	4.00	83.00	0.0	0.0	0.0	0.0	0.0				
149	4.00	84.00	0.0	0.0	0.0	0.0	0.0				
150	4.00	85.00	0.0	0.0	0.0	0.0	0.0				
151	4.00	86.00	0.0	0.0	0.0	0.0	0.0				
152	4.00	87.00	0.0	0.0	0.0	0.0	0.0				
153	4.00	88.00	0.0	0.0	0.0	0.0	0.0				
154	4.00	89.00	0.0	0.0	0.0	0.0	0.0				
155	4.00	90.00	0.0	0.0	0.0	0.0	0.0				
156	4.00	91.00	0.0	0.0	0.0	0.0	0.0				
157	4.00	92.00	0.0	0.0	0.0	0.0	0.0				
158	4.00	93.00	0.0	0.0	0.0	0.0	0.0				
159	4.00	94.00	0.0	0.0	0.0	0.0	0.0				
160	4.00	95.00	0.0	0.0	0.0	0.0	0.0				
161	4.00	96.00	0.0	0.0	0.0	0.0	0.0				
162	4.00	97.00	0.0	0.0	0.0	0.0	0.0				
163	4.00	98.00	0.0	0.0	0.0	0.0	0.0				
164	4.00	99.00	0.0	0.0	0.0	0.0	0.0				
165	4.00	100.00	0.0	0.0	0.0	0.0	0.0				



MCNTH = MAY NAS MIRAPAP  
PERIOD = 1200 TO 1300 HOURS ON A WEEKDAY

RECEPTOR ALPHEE	RECEPTOR LOCATION		RECEPTOR CONCENTRATION DATA FROM AIRPORT					SCALES	
	RECEPTOR LOCATION		EXPECTED ARITHMETIC MEAN						
	(KILOMETERS)	Y	CC	PC	(MICROGRAMS/CL. PETER)	FT	SO2		
145	5.00	4.00	0.00	0.00	0.00	0.00	0.00		
146	5.00	5.00	0.00	0.00	0.00	0.00	0.00		
147	5.00	6.00	0.00	0.00	0.00	0.00	0.00		
148	5.00	7.00	0.00	0.00	0.00	0.00	0.00		
149	5.00	8.00	0.00	0.00	0.00	0.00	0.00		
150	5.00	9.00	0.00	0.00	0.00	0.00	0.00		
151	5.00	10.00	0.00	0.00	0.00	0.00	0.00		
152	5.00	11.00	0.00	0.00	0.00	0.00	0.00		
153	5.00	12.00	0.00	0.00	0.00	0.00	0.00		
154	5.00	13.00	0.00	0.00	0.00	0.00	0.00		
155	5.00	14.00	0.00	0.00	0.00	0.00	0.00		
156	5.00	15.00	0.00	0.00	0.00	0.00	0.00		
157	5.00	16.00	0.00	0.00	0.00	0.00	0.00		
158	5.00	17.00	0.00	0.00	0.00	0.00	0.00		
159	5.00	18.00	0.00	0.00	0.00	0.00	0.00		
160	5.00	19.00	0.00	0.00	0.00	0.00	0.00		
161	5.00	20.00	0.00	0.00	0.00	0.00	0.00		
162	5.00	21.00	0.00	0.00	0.00	0.00	0.00		
163	5.00	22.00	0.00	0.00	0.00	0.00	0.00		
164	5.00	23.00	0.00	0.00	0.00	0.00	0.00		
165	5.00	24.00	0.00	0.00	0.00	0.00	0.00		
166	5.00	25.00	0.00	0.00	0.00	0.00	0.00		
167	5.00	26.00	0.00	0.00	0.00	0.00	0.00		
168	5.00	27.00	0.00	0.00	0.00	0.00	0.00		
169	5.00	28.00	0.00	0.00	0.00	0.00	0.00		
170	5.00	29.00	0.00	0.00	0.00	0.00	0.00		
171	5.00	30.00	0.00	0.00	0.00	0.00	0.00		
172	5.00	31.00	0.00	0.00	0.00	0.00	0.00		
173	5.00	32.00	0.00	0.00	0.00	0.00	0.00		
174	5.00	33.00	0.00	0.00	0.00	0.00	0.00		
175	5.00	34.00	0.00	0.00	0.00	0.00	0.00		
176	5.00	35.00	0.00	0.00	0.00	0.00	0.00		
177	5.00	36.00	0.00	0.00	0.00	0.00	0.00		
178	5.00	37.00	0.00	0.00	0.00	0.00	0.00		
179	5.00	38.00	0.00	0.00	0.00	0.00	0.00		
180	5.00	39.00	0.00	0.00	0.00	0.00	0.00		
181	5.00	40.00	0.00	0.00	0.00	0.00	0.00		
182	5.00	41.00	0.00	0.00	0.00	0.00	0.00		
183	5.00	42.00	0.00	0.00	0.00	0.00	0.00		
184	5.00	43.00	0.00	0.00	0.00	0.00	0.00		
185	5.00	44.00	0.00	0.00	0.00	0.00	0.00		
186	5.00	45.00	0.00	0.00	0.00	0.00	0.00		
187	5.00	46.00	0.00	0.00	0.00	0.00	0.00		
188	5.00	47.00	0.00	0.00	0.00	0.00	0.00		
189	5.00	48.00	0.00	0.00	0.00	0.00	0.00		
190	5.00	49.00	0.00	0.00	0.00	0.00	0.00		
191	5.00	50.00	0.00	0.00	0.00	0.00	0.00		
192	5.00	51.00	0.00	0.00	0.00	0.00	0.00		
193	5.00	52.00	0.00	0.00	0.00	0.00	0.00		
194	5.00	53.00	0.00	0.00	0.00	0.00	0.00		
195	5.00	54.00	0.00	0.00	0.00	0.00	0.00		
196	5.00	55.00	0.00	0.00	0.00	0.00	0.00		
197	5.00	56.00	0.00	0.00	0.00	0.00	0.00		
198	5.00	57.00	0.00	0.00	0.00	0.00	0.00		
199	5.00	58.00	0.00	0.00	0.00	0.00	0.00		
200	5.00	59.00	0.00	0.00	0.00	0.00	0.00		

MONTH - MAY NAS MINAMAR  
PERIOD - 1200 TO 1300 HOURS ON A WEEKDAY

RECEPTOR NUMBER	RECEPTOR LOCATION		RECEPTOR CONCENTRATION DATA FROM AIRPORT SITES EXPECTED ARITHMETIC MEAN									
	(MILES) X	(MILES) Y	CO	PC	(MICROGRAMS/CC. AIR) NCX	FT	SO2					
186	11.00	5.00	1.10E-01	2.61E-04	2.85E-04	2.47E-04	1.21E-05					
187	11.00	10.00	4.94E-01	9.86E-01	1.76E-01	7.02E-03	6.76E-03					
188	11.00	11.00	3.34E-01	6.24E-01	8.13E-02	4.64E-03	3.38E-03					
189	11.00	12.00	1.26E-01	2.04E-01	2.47E-02	1.57E-03	1.08E-03					
190	11.00	13.00	6.94E-02	1.12E-01	1.35E-02	2.66E-03	5.48E-04					
191	11.00	14.00	5.06E-02	7.77E-02	1.10E-02	4.67E-03	3.75E-04					
192	11.00	15.00	4.40E-02	6.22E-02	1.10E-02	7.44E-03	3.05E-04					
193	12.00	16.00	0.00	0.00	0.00	0.00	0.00					
194	12.00	17.00	0.00	0.00	0.00	0.00	0.00					
195	12.00	18.00	0.00	0.00	0.00	0.00	0.00					
196	12.00	19.00	0.00	0.00	0.00	0.00	0.00					
197	12.00	20.00	0.00	0.00	0.00	0.00	0.00					
198	12.00	21.00	0.00	0.00	0.00	0.00	0.00					
199	12.00	22.00	0.00	0.00	0.00	0.00	0.00					
200	12.00	23.00	0.00	0.00	0.00	0.00	0.00					
201	12.00	24.00	0.00	0.00	0.00	0.00	0.00					
202	12.00	25.00	0.00	0.00	0.00	0.00	0.00					
203	12.00	26.00	0.00	0.00	0.00	0.00	0.00					
204	12.00	27.00	0.00	0.00	0.00	0.00	0.00					
205	12.00	28.00	0.00	0.00	0.00	0.00	0.00					
206	12.00	29.00	0.00	0.00	0.00	0.00	0.00					
207	12.00	30.00	0.00	0.00	0.00	0.00	0.00					
208	12.00	31.00	0.00	0.00	0.00	0.00	0.00					
209	12.00	32.00	0.00	0.00	0.00	0.00	0.00					
210	12.00	33.00	0.00	0.00	0.00	0.00	0.00					
211	12.00	34.00	0.00	0.00	0.00	0.00	0.00					
212	12.00	35.00	0.00	0.00	0.00	0.00	0.00					
213	12.00	36.00	0.00	0.00	0.00	0.00	0.00					
214	12.00	37.00	0.00	0.00	0.00	0.00	0.00					
215	12.00	38.00	0.00	0.00	0.00	0.00	0.00					
216	12.00	39.00	0.00	0.00	0.00	0.00	0.00					
217	12.00	40.00	0.00	0.00	0.00	0.00	0.00					
218	12.00	41.00	0.00	0.00	0.00	0.00	0.00					
219	12.00	42.00	0.00	0.00	0.00	0.00	0.00					
220	12.00	43.00	0.00	0.00	0.00	0.00	0.00					
221	12.00	44.00	0.00	0.00	0.00	0.00	0.00					
222	12.00	45.00	0.00	0.00	0.00	0.00	0.00					
223	12.00	46.00	0.00	0.00	0.00	0.00	0.00					
224	12.00	47.00	0.00	0.00	0.00	0.00	0.00					
225	12.00	48.00	0.00	0.00	0.00	0.00	0.00					
226	12.00	49.00	0.00	0.00	0.00	0.00	0.00					
227	12.00	50.00	0.00	0.00	0.00	0.00	0.00					
228	12.00	51.00	0.00	0.00	0.00	0.00	0.00					
229	12.00	52.00	0.00	0.00	0.00	0.00	0.00					
230	12.00	53.00	0.00	0.00	0.00	0.00	0.00					
231	12.00	54.00	0.00	0.00	0.00	0.00	0.00					
232	12.00	55.00	0.00	0.00	0.00	0.00	0.00					
233	12.00	56.00	0.00	0.00	0.00	0.00	0.00					
234	12.00	57.00	0.00	0.00	0.00	0.00	0.00					
235	12.00	58.00	0.00	0.00	0.00	0.00	0.00					
236	12.00	59.00	0.00	0.00	0.00	0.00	0.00					
237	12.00	60.00	0.00	0.00	0.00	0.00	0.00					
238	12.00	61.00	0.00	0.00	0.00	0.00	0.00					
239	12.00	62.00	0.00	0.00	0.00	0.00	0.00					
240	12.00	63.00	0.00	0.00	0.00	0.00	0.00					
241	12.00	64.00	0.00	0.00	0.00	0.00	0.00					
242	12.00	65.00	0.00	0.00	0.00	0.00	0.00					
243	12.00	66.00	0.00	0.00	0.00	0.00	0.00					
244	12.00	67.00	0.00	0.00	0.00	0.00	0.00					
245	12.00	68.00	0.00	0.00	0.00	0.00	0.00					
246	12.00	69.00	0.00	0.00	0.00	0.00	0.00					
247	12.00	70.00	0.00	0.00	0.00	0.00	0.00					
248	12.00	71.00	0.00	0.00	0.00	0.00	0.00					
249	12.00	72.00	0.00	0.00	0.00	0.00	0.00					
250	12.00	73.00	0.00	0.00	0.00	0.00	0.00					
251	12.00	74.00	0.00	0.00	0.00	0.00	0.00					
252	12.00	75.00	0.00	0.00	0.00	0.00	0.00					
253	12.00	76.00	0.00	0.00	0.00	0.00	0.00					
254	12.00	77.00	0.00	0.00	0.00	0.00	0.00					
255	12.00	78.00	0.00	0.00	0.00	0.00	0.00					
256	12.00	79.00	0.00	0.00	0.00	0.00	0.00					
257	12.00	80.00	0.00	0.00	0.00	0.00	0.00					
258	12.00	81.00	0.00	0.00	0.00	0.00	0.00					
259	12.00	82.00	0.00	0.00	0.00	0.00	0.00					
260	12.00	83.00	0.00	0.00	0.00	0.00	0.00					
261	12.00	84.00	0.00	0.00	0.00	0.00	0.00					
262	12.00	85.00	0.00	0.00	0.00	0.00	0.00					
263	12.00	86.00	0.00	0.00	0.00	0.00	0.00					
264	12.00	87.00	0.00	0.00	0.00	0.00	0.00					
265	12.00	88.00	0.00	0.00	0.00	0.00	0.00					
266	12.00	89.00	0.00	0.00	0.00	0.00	0.00					
267	12.00	90.00	0.00	0.00	0.00	0.00	0.00					
268	12.00	91.00	0.00	0.00	0.00	0.00	0.00					
269	12.00	92.00	0.00	0.00	0.00	0.00	0.00					
270	12.00	93.00	0.00	0.00	0.00	0.00	0.00					
271	12.00	94.00	0.00	0.00	0.00	0.00	0.00					
272	12.00	95.00	0.00	0.00	0.00	0.00	0.00					
273	12.00	96.00	0.00	0.00	0.00	0.00	0.00					
274	12.00	97.00	0.00	0.00	0.00	0.00	0.00					
275	12.00	98.00	0.00	0.00	0.00	0.00	0.00					
276	12.00	99.00	0.00	0.00	0.00	0.00	0.00					
277	12.00	100.00	0.00	0.00	0.00	0.00	0.00					



PCNTH = MAY  
 NAFS MIAFAPF  
 PERICC = 1200 TC 1300 HOURS ON A WEEKDAY

RECEPTEP NUMBER	RECEPTEP LOCATION		RECEPTEP CONCENTRATION DATA FROM AIRPORT SCLPSES					EXPECTED ARITHMETIC MEAN	
	(KILOMETERS) X	(KILOMETERS) Y	CG	PC	(MICROGRAMS/CU. METER) NCX	FT	SO2		
2221	13.00	14.00	8.40E-01	4.23E-01	4.60E-01	4.23E-01	1.85E-03		
2222	14.00	14.00	6.25E-01	0.00	0.00	0.00	0.00		
2223	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2224	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2225	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2226	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2227	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2228	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2229	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2230	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2231	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2232	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2233	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2234	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2235	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2236	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2237	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2238	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2239	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2240	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2241	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2242	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2243	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2244	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2245	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2246	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2247	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2248	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2249	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2250	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2251	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2252	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2253	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2254	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2255	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2256	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2257	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2258	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2259	14.00	14.00	0.00	0.00	0.00	0.00	0.00		
2260	14.00	14.00	0.00	0.00	0.00	0.00	0.00		

**WAS WIRTSCHAFT**

RECEPTEE NUMBER	RECEPTEE LOCATION	RECEPTEE CONCENTRATION DATA FROM AIRPORT SOURCES	EXPECTED ARITHMETIC MEAN			
	(KILOMETERS) X	CC	TC	(MICROGRAMS/CC) PETER	FT	SG2
2621	16.00	0.0	0.0	0.0	0.0	0.0
2622	16.00	0.0	0.0	0.0	0.0	0.0
2623	16.00	0.0	0.0	0.0	0.0	0.0
2624	16.00	1.173E-08	1.619E-05	1.629E-08	3.26E-10	5.754E-10
2625	16.00	2.683E-07	3.703E-05	3.722E-05	7.66E-08	1.16E-07
2626	16.00	2.394E-06	3.303E-05	3.320E-05	4.56E-08	1.17E-07
2627	16.00	6.786E-05	1.015E-05	9.34E-05	1.88E-06	1.03E-06
2628	16.00	6.948E-04	2.520E-04	7.891E-04	5.46E-05	2.42E-05
2629	16.00	1.130E-02	4.245E-03	8.004E-03	6.53E-05	2.563E-04
2630	16.00	8.505E-02	2.560E-02	5.56E-02	7.55E-05	2.563E-04
2711	16.00	2.460E-01	7.176E-02	1.575E-01	3.28E-01	4.51E-04
2712	17.00	0.0	0.0	2.86E-01	0.0	0.0
2713	17.00	0.0	0.0	0.0	0.0	0.0
2714	17.00	0.0	0.0	0.0	0.0	0.0
2715	17.00	0.0	0.0	0.0	0.0	0.0
2716	17.00	0.0	0.0	0.0	0.0	0.0
2717	17.00	0.0	0.0	0.0	0.0	0.0
2718	17.00	0.0	0.0	0.0	0.0	0.0
2719	17.00	0.0	0.0	0.0	0.0	0.0
2720	17.00	0.0	0.0	0.0	0.0	0.0
2721	17.00	0.0	0.0	0.0	0.0	0.0
2722	17.00	0.0	0.0	0.0	0.0	0.0
2723	17.00	0.0	0.0	0.0	0.0	0.0
2724	17.00	0.0	0.0	0.0	0.0	0.0
2725	17.00	0.0	0.0	0.0	0.0	0.0
2726	17.00	0.0	0.0	0.0	0.0	0.0
2727	17.00	0.0	0.0	0.0	0.0	0.0
2728	17.00	0.0	0.0	0.0	0.0	0.0
2729	17.00	0.0	0.0	0.0	0.0	0.0
2730	17.00	0.0	0.0	0.0	0.0	0.0
2731	17.00	0.0	0.0	0.0	0.0	0.0
2732	17.00	0.0	0.0	0.0	0.0	0.0
2733	17.00	0.0	0.0	0.0	0.0	0.0
2734	17.00	0.0	0.0	0.0	0.0	0.0
2735	17.00	0.0	0.0	0.0	0.0	0.0
2736	17.00	0.0	0.0	0.0	0.0	0.0
2737	17.00	0.0	0.0	0.0	0.0	0.0
2738	17.00	0.0	0.0	0.0	0.0	0.0
2739	17.00	0.0	0.0	0.0	0.0	0.0
2740	17.00	0.0	0.0	0.0	0.0	0.0
2741	17.00	0.0	0.0	0.0	0.0	0.0
2742	17.00	0.0	0.0	0.0	0.0	0.0
2743	17.00	0.0	0.0	0.0	0.0	0.0
2744	17.00	0.0	0.0	0.0	0.0	0.0
2745	17.00	0.0	0.0	0.0	0.0	0.0
2746	17.00	0.0	0.0	0.0	0.0	0.0
2747	17.00	0.0	0.0	0.0	0.0	0.0
2748	17.00	0.0	0.0	0.0	0.0	0.0
2749	17.00	0.0	0.0	0.0	0.0	0.0
2750	17.00	0.0	0.0	0.0	0.0	0.0
2751	17.00	0.0	0.0	0.0	0.0	0.0
2752	17.00	0.0	0.0	0.0	0.0	0.0
2753	17.00	0.0	0.0	0.0	0.0	0.0
2754	17.00	0.0	0.0	0.0	0.0	0.0
2755	17.00	0.0	0.0	0.0	0.0	0.0
2756	17.00	0.0	0.0	0.0	0.0	0.0
2757	17.00	0.0	0.0	0.0	0.0	0.0
2758	17.00	0.0	0.0	0.0	0.0	0.0
2759	17.00	0.0	0.0	0.0	0.0	0.0
2760	17.00	0.0	0.0	0.0	0.0	0.0
2761	17.00	0.0	0.0	0.0	0.0	0.0
2762	17.00	0.0	0.0	0.0	0.0	0.0
2763	17.00	0.0	0.0	0.0	0.0	0.0
2764	17.00	0.0	0.0	0.0	0.0	0.0
2765	17.00	0.0	0.0	0.0	0.0	0.0
2766	17.00	0.0	0.0	0.0	0.0	0.0
2767	17.00	0.0	0.0	0.0	0.0	0.0
2768	17.00	0.0	0.0	0.0	0.0	0.0
2769	17.00	0.0	0.0	0.0	0.0	0.0
2770	17.00	0.0	0.0	0.0	0.0	0.0
2771	17.00	0.0	0.0	0.0	0.0	0.0
2772	17.00	0.0	0.0	0.0	0.0	0.0
2773	17.00	0.0	0.0	0.0	0.0	0.0
2774	17.00	0.0	0.0	0.0	0.0	0.0
2775	17.00	0.0	0.0	0.0	0.0	0.0
2776	17.00	0.0	0.0	0.0	0.0	0.0
2777	17.00	0.0	0.0	0.0	0.0	0.0
2778	17.00	0.0	0.0	0.0	0.0	0.0
2779	17.00	0.0	0.0	0.0	0.0	0.0
2780	17.00	0.0	0.0	0.0	0.0	0.0
2781	17.00	0.0	0.0	0.0	0.0	0.0
2782	17.00	0.0	0.0	0.0	0.0	0.0
2783	17.00	0.0	0.0	0.0	0.0	0.0
2784	17.00	0.0	0.0	0.0	0.0	0.0
2785	17.00	0.0	0.0	0.0	0.0	0.0
2786	17.00	0.0	0.0	0.0	0.0	0.0
2787	17.00	0.0	0.0	0.0	0.0	0.0
2788	17.00	0.0	0.0	0.0	0.0	0.0
2789	17.00	0.0	0.0	0.0	0.0	0.0
2790	17.00	0.0	0.0	0.0	0.0	0.0
2791	17.00	0.0	0.0	0.0	0.0	0.0
2792	17.00	0.0	0.0	0.0	0.0	0.0
2793	17.00	0.0	0.0	0.0	0.0	0.0
2794	17.00	0.0	0.0	0.0	0.0	0.0
2795	17.00	0.0	0.0	0.0	0.0	0.0
2796	17.00	0.0	0.0	0.0	0.0	0.0
2797	17.00	0.0	0.0	0.0	0.0	0.0
2798	17.00	0.0	0.0	0.0	0.0	0.0
2799	17.00	0.0	0.0	0.0	0.0	0.0
2800	17.00	0.0	0.0	0.0	0.0	0.0

PCNTH = PAY NAS MIRAPAR  
 PERICC = 1200 TC 1300 HOURS ON A WEEKDAY

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PRICE = 1200 TO 1300 HOURS ON A WEEKDAY

[illegible]

MONTH - MAY NAS MIRAPUR PERIOD - 1200 TO 1300 HOURS ON A WEEKDAY

RECEPTEP LOCATION		RECEPTEP CONCENTRATION DATA FROM AIRCRAFT SOURCES					EXPECTED ARITHMETIC MEAN	
RECEPTEP NUMBER	(KILOMETERS) X	(KILOMETERS) Y	CC	PC	(MICROGRAMS/CL. METER) NC	FT	SO2	
315	3.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
441	3.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00
442	3.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00
443	3.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00
444	3.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00
445	3.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00
446	3.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00
447	3.00	16.00	0.00	0.00	0.00	0.00	0.00	0.00
448	3.00	17.00	0.00	0.00	0.00	0.00	0.00	0.00
449	3.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00
450	3.00	19.00	0.00	0.00	0.00	0.00	0.00	0.00
451	3.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00
452	3.00	21.00	0.00	0.00	0.00	0.00	0.00	0.00
453	3.00	22.00	0.00	0.00	0.00	0.00	0.00	0.00
454	3.00	23.00	0.00	0.00	0.00	0.00	0.00	0.00
455	3.00	24.00	0.00	0.00	0.00	0.00	0.00	0.00
456	3.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00
457	3.00	26.00	0.00	0.00	0.00	0.00	0.00	0.00
458	3.00	27.00	0.00	0.00	0.00	0.00	0.00	0.00
459	3.00	28.00	0.00	0.00	0.00	0.00	0.00	0.00
460	3.00	29.00	0.00	0.00	0.00	0.00	0.00	0.00
461	3.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00
462	3.00	31.00	0.00	0.00	0.00	0.00	0.00	0.00
463	3.00	32.00	0.00	0.00	0.00	0.00	0.00	0.00
464	3.00	33.00	0.00	0.00	0.00	0.00	0.00	0.00
465	3.00	34.00	0.00	0.00	0.00	0.00	0.00	0.00
466	3.00	35.00	0.00	0.00	0.00	0.00	0.00	0.00
467	3.00	36.00	0.00	0.00	0.00	0.00	0.00	0.00
468	3.00	37.00	0.00	0.00	0.00	0.00	0.00	0.00
469	3.00	38.00	0.00	0.00	0.00	0.00	0.00	0.00
470	3.00	39.00	0.00	0.00	0.00	0.00	0.00	0.00
471	3.00	40.00	0.00	0.00	0.00	0.00	0.00	0.00
472	3.00	41.00	0.00	0.00	0.00	0.00	0.00	0.00
473	3.00	42.00	0.00	0.00	0.00	0.00	0.00	0.00
474	3.00	43.00	0.00	0.00	0.00	0.00	0.00	0.00
475	3.00	44.00	0.00	0.00	0.00	0.00	0.00	0.00
476	3.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00
477	3.00	46.00	0.00	0.00	0.00	0.00	0.00	0.00
478	3.00	47.00	0.00	0.00	0.00	0.00	0.00	0.00
479	3.00	48.00	0.00	0.00	0.00	0.00	0.00	0.00
480	3.00	49.00	0.00	0.00	0.00	0.00	0.00	0.00
481	3.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00
482	3.00	51.00	0.00	0.00	0.00	0.00	0.00	0.00
483	3.00	52.00	0.00	0.00	0.00	0.00	0.00	0.00
484	3.00	53.00	0.00	0.00	0.00	0.00	0.00	0.00
485	3.00	54.00	0.00	0.00	0.00	0.00	0.00	0.00
486	3.00	55.00	0.00	0.00	0.00	0.00	0.00	0.00
487	3.00	56.00	0.00	0.00	0.00	0.00	0.00	0.00
488	3.00	57.00	0.00	0.00	0.00	0.00	0.00	0.00
489	3.00	58.00	0.00	0.00	0.00	0.00	0.00	0.00
490	3.00	59.00	0.00	0.00	0.00	0.00	0.00	0.00
491	3.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00
492	3.00	61.00	0.00	0.00	0.00	0.00	0.00	0.00
493	3.00	62.00	0.00	0.00	0.00	0.00	0.00	0.00
494	3.00	63.00	0.00	0.00	0.00	0.00	0.00	0.00
495	3.00	64.00	0.00	0.00	0.00	0.00	0.00	0.00
496	3.00	65.00	0.00	0.00	0.00	0.00	0.00	0.00
497	3.00	66.00	0.00	0.00	0.00	0.00	0.00	0.00
498	3.00	67.00	0.00	0.00	0.00	0.00	0.00	0.00
499	3.00	68.00	0.00	0.00	0.00	0.00	0.00	0.00
500	3.00	69.00	0.00	0.00	0.00	0.00	0.00	0.00
501	3.00	70.00	0.00	0.00	0.00	0.00	0.00	0.00
502	3.00	71.00	0.00	0.00	0.00	0.00	0.00	0.00
503	3.00	72.00	0.00	0.00	0.00	0.00	0.00	0.00
504	3.00	73.00	0.00	0.00	0.00	0.00	0.00	0.00
505	3.00	74.00	0.00	0.00	0.00	0.00	0.00	0.00
506	3.00	75.00	0.00	0.00	0.00	0.00	0.00	0.00
507	3.00	76.00	0.00	0.00	0.00	0.00	0.00	0.00
508	3.00	77.00	0.00	0.00	0.00	0.00	0.00	0.00
509	3.00	78.00	0.00	0.00	0.00	0.00	0.00	0.00
510	3.00	79.00	0.00	0.00	0.00	0.00	0.00	0.00
511	3.00	80.00	0.00	0.00	0.00	0.00	0.00	0.00
512	3.00	81.00	0.00	0.00	0.00	0.00	0.00	0.00
513	3.00	82.00	0.00	0.00	0.00	0.00	0.00	0.00
514	3.00	83.00	0.00	0.00	0.00	0.00	0.00	0.00
515	3.00	84.00	0.00	0.00	0.00	0.00	0.00	0.00
516	3.00	85.00	0.00	0.00	0.00	0.00	0.00	0.00
517	3.00	86.00	0.00	0.00	0.00	0.00	0.00	0.00
518	3.00	87.00	0.00	0.00	0.00	0.00	0.00	0.00
519	3.00	88.00	0.00	0.00	0.00	0.00	0.00	0.00
520	3.00	89.00	0.00	0.00	0.00	0.00	0.00	0.00
521	3.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00
522	3.00	91.00	0.00	0.00	0.00	0.00	0.00	0.00
523	3.00	92.00	0.00	0.00	0.00	0.00	0.00	0.00
524	3.00	93.00	0.00	0.00	0.00	0.00	0.00	0.00
525	3.00	94.00	0.00	0.00	0.00	0.00	0.00	0.00
526	3.00	95.00	0.00	0.00	0.00	0.00	0.00	0.00
527	3.00	96.00	0.00	0.00	0.00	0.00	0.00	0.00
528	3.00	97.00	0.00	0.00	0.00	0.00	0.00	0.00
529	3.00	98.00	0.00	0.00	0.00	0.00	0.00	0.00
530	3.00	99.00	0.00	0.00	0.00	0.00	0.00	0.00
531	3.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00

PCNTH = MAY  
PERICE = 1200 TC 1300 HOURS CN A WEEKDAY

FECETICP ALMEEF		FECETICP CONCENTRATION DATA FROM AIRCRAFT SOURCES									
RECEPTEF LOCATION		EXPECTED ARITHMETIC MEAN									
(KILCP) (TEFS) Y		CO		FC		NCA		PETER		SO2	
X		0.0		0.0		0.0		0.0		0.0	
75	4.00	10.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76	4.00	11.00	6.37E-04	3.17E-03	7.24E-04	1.35E-03	1.35E-03	0.0	0.0	0.0	0.0
77	4.00	11.00	1.75E-04	4.07E-03	8.14E-04	1.44E-03	1.44E-03	0.0	0.0	0.0	0.0
78	4.00	11.00	2.12E-04	5.08E-03	1.02E-03	1.54E-03	1.54E-03	0.0	0.0	0.0	0.0
79	4.00	11.00	3.30E-04	5.37E-03	1.05E-03	1.72E-03	1.72E-03	0.0	0.0	0.0	0.0
80	4.00	11.00	2.43E-04	5.35E-03	1.00E-03	1.72E-03	1.72E-03	0.0	0.0	0.0	0.0
81	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110	4.00	11.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



**MAC TIRAPAF**

RECEIVER NUMBER	RECEIVER LOCATION		RECEIVED CONCENTRATION DATA FROM AIRCRAFT SOURCES					EXPECTED ARITHMETIC MEAN	
	(KILOPETERS) X	(KILOPETERS) Y	CO	HC	(MICROGRAMS/CL. METER) NCX	FT	SO2		
11214	1.000	15.00	7.533E-03	2.455E-03	2.855E-02	3.248E-02	6.555E-05		
11214	1.000	1.00	0.00	0.00	0.00	0.00	0.00		
11214	1.000	3.000	0.00	0.00	0.00	0.00	0.00		
11214	1.000	7.000	0.00	0.00	0.00	0.00	0.00		
11214	1.000	5.000	0.00	0.00	0.00	0.00	0.00		
11214	1.000	7.000	4.900E-11	2.673E-11	4.815E-10	2.15E-05	0.00		
11214	1.000	5.000	3.900E-02	1.355E-02	2.880E-03	2.55E-03	0.00		
11214	1.000	10.00	3.900E-02	1.124E-02	1.108E-03	2.55E-03	0.00		
11214	1.000	12.000	4.000E-02	1.325E-02	3.050E-03	2.55E-03	0.00		
11214	1.000	13.000	3.500E-02	1.052E-02	3.050E-03	2.55E-03	0.00		
11214	1.000	14.000	4.490E-02	2.673E-02	9.202E-03	1.05E-03	0.00		
11214	1.000	15.00	0.00	0.00	0.00	0.00	0.00		
11214	1.000	13.000	0.00	0.00	0.00	0.00	0.00		
11214	1.000	4.000	0.00	0.00	0.00	0.00	0.00		
11214	1.000	5.000	0.00	0.00	0.00	0.00	0.00		
11214	1.000	7.000	0.00	0.00	0.00	0.00	0.00		
11214	1.000	9.000	0.00	0.00	0.00	0.00	0.00		
11214	1.000	10.000	0.00	0.00	0.00	0.00	0.00		
11214	1.000	11.000	0.00	0.00	0.00	0.00	0.00		
11214	1.000	12.000	0.00	0.00	0.00	0.00	0.00		
11214	1.000	13.000	0.00	0.00	0.00	0.00	0.00		
11214	1.000	14.000	0.00	0.00	0.00	0.00	0.00		
11214	1.000	15.000	0.00	0.00	0.00	0.00	0.00		

PCNTH = MAY NAS MIRAPAP  
PERICC = 1200 TC 1300 HOURS ON A WEEKDAY

RECECTOR		RECECTOR CONCENTRATION DATA FROM AIRCRAFT SCLFCS									
ALPHA		EXPECTED ARITHMETIC MEAN									
		RECECTOR LOCATION									
		(KILCP)	(TEFS)	CC		PC		MICROGRAMS/CL. METER)		FT	SDZ
		X	Y					NCA			
140	140	5.00	4.00	0.00	1.823E-02	0.00	5.73E-03	0.00	7.581E-02	0.00	0.00
140	140	5.00	5.00	0.00	1.823E-02	0.00	5.73E-03	0.00	7.581E-02	0.00	0.00
140	140	5.00	6.00	0.00	1.969E-01	0.00	5.94E-03	0.00	6.81E-01	0.00	0.00
140	140	5.00	7.00	0.00	1.970E-01	0.00	6.56E-03	0.00	5.014E-01	0.00	0.00
140	140	5.00	8.00	0.00	1.135E-02	0.00	4.73E-03	0.00	6.71E-02	0.00	0.00
140	140	5.00	9.00	0.00	1.844E-01	0.00	7.78E-03	0.00	1.704E-01	0.00	0.00
140	140	5.00	10.00	0.00	1.851E-01	0.00	2.46E-03	0.00	1.03E-01	0.00	0.00
140	140	5.00	11.00	0.00	2.848E-01	0.00	1.15E-03	0.00	6.33E-01	0.00	0.00
140	140	5.00	12.00	0.00	2.091E-01	0.00	8.54E-03	0.00	3.81E-01	0.00	0.00
140	140	5.00	13.00	0.00	1.704E-01	0.00	6.73E-03	0.00	5.27E-01	0.00	0.00
140	140	5.00	14.00	0.00	1.551E-01	0.00	6.13E-03	0.00	4.62E-01	0.00	0.00
140	140	5.00	15.00	0.00	1.346E-01	0.00	5.26E-03	0.00	4.03E-01	0.00	0.00
140	140	10.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	26.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	28.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	29.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	31.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	32.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	33.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	34.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	35.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	36.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	37.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	38.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	39.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	41.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	42.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	43.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	44.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	46.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	47.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	48.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	49.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	140	10.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PCATH - PAY NPS MIRAPAP  
 "PENICC" 1200 TO 1300 HOURS ON A WEEKDAY

RECEIVER NUMBER	RECEIVER LOCATION		RECEPTOR CONCENTRATION DATA FROM AIRCRAFT SCUPES										EXPECTED ARITHMETIC MEAN	
	(MILC)	(TEST) Y	CC	PC	(MICROGRAMS) MCX	PETERI	FT	SC2						
186	11:00	5:00	1.17E 02	4.02E 01	8.15E 00	7.45E 01		1.502E-02						
187	11:00	10:00	5.261E 01	1.727E 01	6.07E 00	4.37E 01		7.05E-02						
188	11:00	12:00	1.697E 01	5.97E 00	2.73E 00	2.11E 01		1.44E-02						
190	11:00	13:00	1.318E 01	4.73E 00	2.35E 00	2.47E 01		5.74E-02						
192	11:00	14:00	8.753E 00	3.17E 00	1.61E 00	2.07E 01		4.74E-02						
194	11:00	15:00	0:00	0:00	0:00	0:00		0:00						
195	11:00	16:00	0:00	0:00	0:00	0:00		0:00						
197	11:00	17:00	0:00	0:00	0:00	0:00		0:00						
198	11:00	18:00	0:00	0:00	0:00	0:00		0:00						
199	11:00	19:00	0:00	0:00	0:00	0:00		0:00						
200	11:00	20:00	0:00	0:00	0:00	0:00		0:00						
201	11:00	21:00	0:00	0:00	0:00	0:00		0:00						
202	11:00	22:00	0:00	0:00	0:00	0:00		0:00						
203	11:00	23:00	0:00	0:00	0:00	0:00		0:00						
204	11:00	24:00	0:00	0:00	0:00	0:00		0:00						
205	11:00	25:00	0:00	0:00	0:00	0:00		0:00						
206	11:00	26:00	0:00	0:00	0:00	0:00		0:00						
207	11:00	27:00	0:00	0:00	0:00	0:00		0:00						
208	11:00	28:00	0:00	0:00	0:00	0:00		0:00						
209	11:00	29:00	0:00	0:00	0:00	0:00		0:00						
210	11:00	30:00	0:00	0:00	0:00	0:00		0:00						
211	11:00	31:00	0:00	0:00	0:00	0:00		0:00						
212	11:00	32:00	0:00	0:00	0:00	0:00		0:00						
213	11:00	33:00	0:00	0:00	0:00	0:00		0:00						
214	11:00	34:00	0:00	0:00	0:00	0:00		0:00						
215	11:00	35:00	0:00	0:00	0:00	0:00		0:00						
216	11:00	36:00	0:00	0:00	0:00	0:00		0:00						
217	11:00	37:00	0:00	0:00	0:00	0:00		0:00						
218	11:00	38:00	0:00	0:00	0:00	0:00		0:00						
219	11:00	39:00	0:00	0:00	0:00	0:00		0:00						
220	11:00	40:00	0:00	0:00	0:00	0:00		0:00						
221	11:00	41:00	0:00	0:00	0:00	0:00		0:00						
222	11:00	42:00	0:00	0:00	0:00	0:00		0:00						
223	11:00	43:00	0:00	0:00	0:00	0:00		0:00						
224	11:00	44:00	0:00	0:00	0:00	0:00		0:00						
225	11:00	45:00	0:00	0:00	0:00	0:00		0:00						
226	11:00	46:00	0:00	0:00	0:00	0:00		0:00						
227	11:00	47:00	0:00	0:00	0:00	0:00		0:00						
228	11:00	48:00	0:00	0:00	0:00	0:00		0:00						
229	11:00	49:00	0:00	0:00	0:00	0:00		0:00						
230	11:00	50:00	0:00	0:00	0:00	0:00		0:00						
231	11:00	51:00	0:00	0:00	0:00	0:00		0:00						
232	11:00	52:00	0:00	0:00	0:00	0:00		0:00						
233	11:00	53:00	0:00	0:00	0:00	0:00		0:00						
234	11:00	54:00	0:00	0:00	0:00	0:00		0:00						
235	11:00	55:00	0:00	0:00	0:00	0:00		0:00						
236	11:00	56:00	0:00	0:00	0:00	0:00		0:00						
237	11:00	57:00	0:00	0:00	0:00	0:00		0:00						
238	11:00	58:00	0:00	0:00	0:00	0:00		0:00						
239	11:00	59:00	0:00	0:00	0:00	0:00		0:00						
240	11:00	60:00	0:00	0:00	0:00	0:00		0:00						

MONTH - MAY NAS PIRAPAR PERIOD - 1200 TO 1300 HOURS ON A WEEKDAY

RECEPTECH		RECEPTECH CONCENTRATION DATA FROM AIRCRAFT SOURCES										EXPECTED ARITHMETIC MEAN	
NUMBER	LOCATION	RECEPTECH LOCATION											
		(KILOMETERS)		CO		PC		(MICROGRAMS/CL. METER)		FT			
		X	Y										
2214	13:00	14:00		2.34E 01	0.00	8.31E 00	3.93E 00	1.32E 01	5.71E 03				
2225	13:00	14:00		2.05E 01	0.00	7.34E 00	3.50E 00	1.35E 01	5.71E 03				
2226	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2227	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2228	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2229	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2230	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2231	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2232	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2233	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2234	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2235	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2236	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2237	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2238	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2239	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2240	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2241	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2242	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2243	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2244	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2245	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2246	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2247	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2248	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2249	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2250	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2251	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2252	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2253	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2254	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2255	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2256	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2257	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2258	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2259	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				
2260	14:00	14:00		0.00	0.00	0.00	0.00	0.00	0.00				

MCNTH - MAY NAS MIRAPAP  
PERIOD - 1200 TO 1300 HOURS CN A WEEKDAY

RECEPTOR LOCATION		RECEPTOR CONCENTRATION DATA FROM AIRCRAFT SLECES					EXPECTED ARITHMETIC MEAN	
RECEPTOR ALPHABET	RECEPTOR LOCATION	CC	PC	MC (MICROGRAMS/CL. METER)	FT	MC	FT	MC
	(MIL) (METER)							
260	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
261	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
262	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
263	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
264	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
265	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
266	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
267	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
268	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
269	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
270	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
271	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
272	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
273	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
274	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
275	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
276	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
277	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
278	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
279	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
280	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
281	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
282	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
283	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
284	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
285	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
286	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
287	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
288	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
289	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
290	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
291	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
292	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
293	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
294	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
295	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
296	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
297	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
298	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
299	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
300	12:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00

PCATH - PAY NAS MIRAPAR PERICC - 1200 TC 1300 HOURS ON A WEEKDAY

RECEPTOR CONCENTRATION DATA FROM AIRCRAFT SOURCES									
RECEPTOR		RECEPTOR LOCATION		EXPECTED ARITHMETIC MEAN					
ALUMEF		(KILOMETERS)	X	Y	(MICROGRAMS/CU. METER)				
					CG	PC	MCX	PT	SO2
257		16.00		8.00	4.215E-03	1.371E-03	1.248E-02	2.618E-02	3.232E-06
258		16.00		5.00	3.316E-02	1.071E-02	9.668E-02	2.009E-01	5.541E-05
259		16.00		10.00	1.008E-01	3.242E-02	2.918E-01	6.031E-01	1.359E-05
260		16.00		11.00	2.074E-01	6.551E-02	5.765E-01	1.247E-01	3.458E-04
3001		18.00		13.00	3.929E-01	1.277E-01	1.085E-00	2.361E-00	4.145E-04
3002		18.00		14.00	5.907E-01	1.973E-01	1.262E-00	2.741E-00	5.480E-04
3003		18.00		15.00	1.150E-00	3.988E-01	1.490E-00	3.351E-00	8.834E-04
3004		18.00		16.00	2.231E-00	7.886E-01	1.778E-00	4.258E-00	1.524E-03
3005		18.00		17.00	0.00	0.00	0.00	0.00	0.00
3006		18.00		18.00	0.00	0.00	0.00	0.00	0.00
3007		18.00		19.00	0.00	0.00	0.00	0.00	0.00
3008		18.00		20.00	0.00	0.00	0.00	0.00	0.00
3009		18.00		21.00	0.00	0.00	0.00	0.00	0.00
3010		18.00		22.00	0.00	0.00	0.00	0.00	0.00
3011		18.00		23.00	0.00	0.00	0.00	0.00	0.00
3012		18.00		24.00	0.00	0.00	0.00	0.00	0.00
3013		18.00		25.00	0.00	0.00	0.00	0.00	0.00
3014		18.00		26.00	0.00	0.00	0.00	0.00	0.00
3015		18.00		27.00	0.00	0.00	0.00	0.00	0.00
3016		18.00		28.00	0.00	0.00	0.00	0.00	0.00
3017		18.00		29.00	0.00	0.00	0.00	0.00	0.00
3018		18.00		30.00	0.00	0.00	0.00	0.00	0.00
3019		18.00		31.00	0.00	0.00	0.00	0.00	0.00
3020		18.00		32.00	0.00	0.00	0.00	0.00	0.00
3021		18.00		33.00	0.00	0.00	0.00	0.00	0.00
3022		18.00		34.00	0.00	0.00	0.00	0.00	0.00
3023		18.00		35.00	0.00	0.00	0.00	0.00	0.00
3024		18.00		36.00	0.00	0.00	0.00	0.00	0.00
3025		18.00		37.00	0.00	0.00	0.00	0.00	0.00
3026		18.00		38.00	0.00	0.00	0.00	0.00	0.00
3027		18.00		39.00	0.00	0.00	0.00	0.00	0.00
3028		18.00		40.00	0.00	0.00	0.00	0.00	0.00
3029		18.00		41.00	0.00	0.00	0.00	0.00	0.00
3030		18.00		42.00	0.00	0.00	0.00	0.00	0.00
3031		18.00		43.00	0.00	0.00	0.00	0.00	0.00
3032		18.00		44.00	0.00	0.00	0.00	0.00	0.00
3033		18.00		45.00	0.00	0.00	0.00	0.00	0.00
3034		18.00		46.00	0.00	0.00	0.00	0.00	0.00
3035		18.00		47.00	0.00	0.00	0.00	0.00	0.00
3036		18.00		48.00	0.00	0.00	0.00	0.00	0.00
3037		18.00		49.00	0.00	0.00	0.00	0.00	0.00
3038		18.00		50.00	0.00	0.00	0.00	0.00	0.00
3039		18.00		51.00	0.00	0.00	0.00	0.00	0.00
3040		18.00		52.00	0.00	0.00	0.00	0.00	0.00
3041		18.00		53.00	0.00	0.00	0.00	0.00	0.00
3042		18.00		54.00	0.00	0.00	0.00	0.00	0.00
3043		18.00		55.00	0.00	0.00	0.00	0.00	0.00
3044		18.00		56.00	0.00	0.00	0.00	0.00	0.00
3045		18.00		57.00	0.00	0.00	0.00	0.00	0.00
3046		18.00		58.00	0.00	0.00	0.00	0.00	0.00
3047		18.00		59.00	0.00	0.00	0.00	0.00	0.00
3048		18.00		60.00	0.00	0.00	0.00	0.00	0.00
3049		18.00		61.00	0.00	0.00	0.00	0.00	0.00
3050		18.00		62.00	0.00	0.00	0.00	0.00	0.00
3051		18.00		63.00	0.00	0.00	0.00	0.00	0.00
3052		18.00		64.00	0.00	0.00	0.00	0.00	0.00
3053		18.00		65.00	0.00	0.00	0.00	0.00	0.00
3054		18.00		66.00	0.00	0.00	0.00	0.00	0.00
3055		18.00		67.00	0.00	0.00	0.00	0.00	0.00
3056		18.00		68.00	0.00	0.00	0.00	0.00	0.00
3057		18.00		69.00	0.00	0.00	0.00	0.00	0.00
3058		18.00		70.00	0.00	0.00	0.00	0.00	0.00
3059		18.00		71.00	0.00	0.00	0.00	0.00	0.00
3060		18.00		72.00	0.00	0.00	0.00	0.00	0.00
3061		18.00		73.00	0.00	0.00	0.00	0.00	0.00
3062		18.00		74.00	0.00	0.00	0.00	0.00	0.00
3063		18.00		75.00	0.00	0.00	0.00	0.00	0.00
3064		18.00		76.00	0.00	0.00	0.00	0.00	0.00
3065		18.00		77.00	0.00	0.00	0.00	0.00	0.00
3066		18.00		78.00	0.00	0.00	0.00	0.00	0.00
3067		18.00		79.00	0.00	0.00	0.00	0.00	0.00
3068		18.00		80.00	0.00	0.00	0.00	0.00	0.00
3069		18.00		81.00	0.00	0.00	0.00	0.00	0.00
3070		18.00		82.00	0.00	0.00	0.00	0.00	0.00
3071		18.00		83.00	0.00	0.00	0.00	0.00	0.00
3072		18.00		84.00	0.00	0.00	0.00	0.00	0.00
3073		18.00		85.00	0.00	0.00	0.00	0.00	0.00
3074		18.00		86.00	0.00	0.00	0.00	0.00	0.00
3075		18.00		87.00	0.00	0.00	0.00	0.00	0.00
3076		18.00		88.00	0.00	0.00	0.00	0.00	0.00
3077		18.00		89.00	0.00	0.00	0.00	0.00	0.00
3078		18.00		90.00	0.00	0.00	0.00	0.00	0.00
3079		18.00		91.00	0.00	0.00	0.00	0.00	0.00
3080		18.00		92.00	0.00	0.00	0.00	0.00	0.00
3081		18.00		93.00	0.00	0.00	0.00	0.00	0.00
3082		18.00		94.00	0.00	0.00	0.00	0.00	0.00
3083		18.00		95.00	0.00	0.00	0.00	0.00	0.00
3084		18.00		96.00	0.00	0.00	0.00	0.00	0.00
3085		18.00		97.00	0.00	0.00	0.00	0.00	0.00
3086		18.00		98.00	0.00	0.00	0.00	0.00	0.00
3087		18.00		99.00	0.00	0.00	0.00	0.00	0.00
3088		18.00		100.00	0.00	0.00	0.00	0.00	0.00

PCNTH = MAY WAS MIRANAP  
PERIOD = 1200 TO 1300 HOURS ON A WEEKDAY

RECEPTOR CONCENTRATION DATA FROM AIRCRAFT SOURCES									
EXPECTED ARITHMETIC MEAN									
RECEPTOR	RECEPTOR LOCATION								
		(KILG/FEET) X	Y	CC	PC	(MICROGRAMS/CC) MCA	FT	SD2	
3331	00:00	00:00	13:00	1.62E-01	5.25E-02	4.58E-01	1.0E-00	1.52E-04	
3332	00:00	00:00	14:00	1.46E-01	1.47E-01	6.11E-01	1.4E-00	1.55E-04	
3333	00:00	00:00	15:00	4.35E-01				4.22E-04	
3334	00:00	00:00	16:00	0.00	0.00	0.00	0.00	0.00	
3335	00:00	00:00	17:00	0.00	0.00	0.00	0.00	0.00	
3336	00:00	00:00	18:00	0.00	0.00	0.00	0.00	0.00	
3337	00:00	00:00	19:00	0.00	0.00	0.00	0.00	0.00	
3338	00:00	00:00	20:00	0.00	0.00	0.00	0.00	0.00	
3339	00:00	00:00	21:00	0.00	0.00	0.00	0.00	0.00	
3340	00:00	00:00	22:00	0.00	0.00	0.00	0.00	0.00	
3341	00:00	00:00	23:00	0.00	0.00	0.00	0.00	0.00	
3342	00:00	00:00	24:00	0.00	0.00	0.00	0.00	0.00	
3343	00:00	00:00	25:00	0.00	0.00	0.00	0.00	0.00	
3344	00:00	00:00	26:00	0.00	0.00	0.00	0.00	0.00	
3345	00:00	00:00	27:00	0.00	0.00	0.00	0.00	0.00	
3346	00:00	00:00	28:00	0.00	0.00	0.00	0.00	0.00	
3347	00:00	00:00	29:00	0.00	0.00	0.00	0.00	0.00	
3348	00:00	00:00	30:00	0.00	0.00	0.00	0.00	0.00	
3349	00:00	00:00	31:00	0.00	0.00	0.00	0.00	0.00	
3350	00:00	00:00	32:00	0.00	0.00	0.00	0.00	0.00	
3351	00:00	00:00	33:00	0.00	0.00	0.00	0.00	0.00	
3352	00:00	00:00	34:00	0.00	0.00	0.00	0.00	0.00	
3353	00:00	00:00	35:00	0.00	0.00	0.00	0.00	0.00	
3354	00:00	00:00	36:00	0.00	0.00	0.00	0.00	0.00	
3355	00:00	00:00	37:00	0.00	0.00	0.00	0.00	0.00	
3356	00:00	00:00	38:00	0.00	0.00	0.00	0.00	0.00	
3357	00:00	00:00	39:00	0.00	0.00	0.00	0.00	0.00	
3358	00:00	00:00	40:00	0.00	0.00	0.00	0.00	0.00	
3359	00:00	00:00	41:00	0.00	0.00	0.00	0.00	0.00	
3360	00:00	00:00	42:00	0.00	0.00	0.00	0.00	0.00	
3361	00:00	00:00	43:00	0.00	0.00	0.00	0.00	0.00	
3362	00:00	00:00	44:00	0.00	0.00	0.00	0.00	0.00	
3363	00:00	00:00	45:00	0.00	0.00	0.00	0.00	0.00	
3364	00:00	00:00	46:00	0.00	0.00	0.00	0.00	0.00	
3365	00:00	00:00	47:00	0.00	0.00	0.00	0.00	0.00	
3366	00:00	00:00	48:00	0.00	0.00	0.00	0.00	0.00	
3367	00:00	00:00	49:00	0.00	0.00	0.00	0.00	0.00	
3368	00:00	00:00	50:00	0.00	0.00	0.00	0.00	0.00	
3369	00:00	00:00	51:00	0.00	0.00	0.00	0.00	0.00	
3370	00:00	00:00	52:00	0.00	0.00	0.00	0.00	0.00	

PCNTH = MAY NAS MIRAPAR  
PERICC = 1200 TO 1300 HOURS ON A WEEKDAY

RECECTOR CONCENTRATION DATA FROM AIRCRAFT SOURCES									
RECECTOR LOCATION					EXPECTED ARITHMETIC MEAN				
RECECTOR ALPHA	(KILOMETERS) X	(KILOMETERS) Y	CC	PC	(MICROGRAMS/CU. METER) NCX	PT	SC2		
371	25.00	3.00	0.00	0.00	0.00	0.00	0.00		
372	25.00	3.00	0.00	0.00	0.00	0.00	0.00		
373	23.00	4.00	0.00	0.00	0.00	0.00	0.00		
374	23.00	5.00	0.00	0.00	0.00	0.00	0.00		
375	23.00	6.00	0.00	0.00	0.00	0.00	0.00		
376	23.00	7.00	0.00	0.00	0.00	0.00	0.00		
377	23.00	8.00	0.00	0.00	0.00	0.00	0.00		
378	23.00	9.00	0.00	0.00	0.00	0.00	0.00		
379	23.00	10.00	6.85E-04	2.31E-04	2.10E-03	0.7E-03	0.00		
380	23.00	11.00	8.29E-03	2.74E-04	4.83E-03	5.45E-02	1.82E-07		
381	23.00	12.00	1.63E-03	5.35E-04	4.83E-03	1.04E-02	7.37E-07		
382	23.00	13.00	5.13E-03	2.47E-03	2.00E-03	5.37E-02	7.21E-05		
383	23.00	14.00	1.84E-02	5.36E-02	8.96E-02	2.77E-01	1.05E-04		
384	23.00	15.00	3.67E-02	1.09E-01	1.66E-01	1.66E-01	1.66E-01		
385	24.00	0.00	0.00	0.00	0.00	0.00	0.00		
386	24.00	1.00	0.00	0.00	0.00	0.00	0.00		
387	24.00	2.00	0.00	0.00	0.00	0.00	0.00		
388	24.00	3.00	0.00	0.00	0.00	0.00	0.00		
389	24.00	4.00	0.00	0.00	0.00	0.00	0.00		
390	24.00	5.00	0.00	0.00	0.00	0.00	0.00		
391	24.00	6.00	0.00	0.00	0.00	0.00	0.00		
392	24.00	7.00	0.00	0.00	0.00	0.00	0.00		
393	24.00	8.00	0.00	0.00	0.00	0.00	0.00		
394	24.00	9.00	0.00	0.00	0.00	0.00	0.00		
395	24.00	10.00	6.95E-04	2.34E-04	2.13E-03	0.93E-03	3.75E-05		
396	24.00	11.00	9.09E-04	3.02E-04	2.75E-03	0.8E-03	1.74E-07		
397	24.00	12.00	4.94E-03	1.18E-03	8.85E-03	2.09E-02	1.55E-05		
398	24.00	13.00	5.73E-03	2.65E-03	2.32E-02	7.46E-02	7.68E-05		
400	24.00	15.00	2.02E-02	5.76E-02	4.93E-02	1.54E-01	1.42E-04		



PCNT - MAY NAS MIRAPAR  
PERICC - 1200 TO 1300 HOURS ON A WEEKDAY

RECEIPT NUMBER	RECEIPT LOCATION		RECEIPT CONCENTRATION DATA FROM TOTAL										SCUFES	
	RECEIPT LOCATION		EXPECTED ARITHMETIC MEAN										SCUFES	
	(KILOMETERS)	(METERS)	CO	HC	MCX	FT	SO2							
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
456	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
789	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
1012	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
1345	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
1678	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
1901	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
2234	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
2567	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
2890	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
3123	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
3456	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
3789	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
4012	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
4345	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
4678	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
4901	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
5234	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
5567	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
5890	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
6123	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
6456	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
6789	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
7012	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
7345	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
7678	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
7901	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
8234	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
8567	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
8890	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
9123	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
9456	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
9789	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
10012	0.00	0.00	0.00	0.00	0.00	0.00	0.00							

MONTH = MAY NAS MIRAPAF  
PERIOD = 1200 TO 1300 HOURS ON A WEEKDAY

RECEIPT NUMBER	RECEIPT LOCATION	RECEIPT CONCENTRATION DATA FROM TOTAL					SCALES	
		(KILOPERF)	CO	PC	(MICROGRAMS/CL. METER)	FT	SD2	
35	3:00	1.36E-01	1.18E-02	2.08E-01	1.03E-02	1.75E-00	1.15E-00	
40	3:00	1.15E-02	1.15E-02	2.08E-01	9.25E-00	1.75E-00	1.07E-00	
41	3:00	1.15E-02	1.15E-02	1.61E-01	6.61E-00	1.75E-00	1.15E-00	
42	3:00	5.51E-01	1.43E-01	5.72E-00	3.97E-00	8.37E-01	5.88E-01	
43	3:00	2.17E-01	1.43E-01	2.53E-00	1.03E-00	2.15E-01	5.88E-01	
44	3:00	1.21E-01	1.21E-01	2.15E-00	8.78E-01	1.75E-00	1.23E-01	
45	3:00	9.82E-00	9.82E-00	1.73E-00	7.09E-00	1.75E-00	1.23E-01	
46	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
47	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
48	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
49	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
50	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
51	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
52	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
53	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
54	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
55	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
56	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
57	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
58	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
59	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
60	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
61	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
62	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
63	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
64	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
65	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
66	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
67	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
68	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
69	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
70	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
71	3:00	0.00	0.00	0.00	0.00	0.00	0.00	
72	3:00	0.00	0.00	0.00	0.00	0.00	0.00	

MCNTH = MAY  
 REPTCC = 1200 TC 1300 HOURS ON A WEEKDAY

RECEPTOR ALPHAB	RECEPTOR LOCATION				RECEPTOR CONCENTRATION DATA FROM TCAL				SOURCES			
	RECEPTOR LOCATION				RECEPTOR CONCENTRATION DATA FROM TCAL				EXPECTED ARITHMETIC MEAN			
	(KILOMETERS) X	Y			CC	LC	NCX	FT	SC2			
75	4.00	10.00			6.165E 01	1.088E 01	4.44E 00	9.52E 01	1.14E 00			
76	4.00	11.00			4.234E 01	7.37E 00	3.03E 00	9.71E 01	9.02E 01			
77	4.00	12.00			3.250E 01	5.04E 00	2.06E 00	4.13E 01	5.47E 01			
78	4.00	13.00			2.861E 01	5.04E 00	2.06E 00	4.13E 01	5.47E 01			
79	4.00	14.00			2.805E 01	4.94E 00	2.03E 00	4.12E 01	5.46E 01			
80	4.00	15.00			2.461E 01	0.00	0.00	0.00	5.00			
81	4.00	16.00			0.00	0.00	0.00	0.00	0.00			
82	4.00	17.00			1.884E 01	3.30E 00	1.43E 00	5.23E 01	9.15E 01			
83	4.00	18.00			4.432E 01	8.91E 00	3.84E 00	1.24E 01	1.51E 01			
84	4.00	19.00			5.082E 01	0.00	0.00	0.00	2.15E 01			
85	4.00	20.00			3.728E 01	6.53E 00	2.80E 00	1.24E 01	1.47E 01			
86	4.00	21.00			1.437E 01	2.25E 00	1.00E 00	0.45E 01	2.75E 01			
87	4.00	22.00			1.625E 01	2.86E 00	1.17E 00	0.73E 01	3.33E 01			
88	4.00	23.00			1.803E 01	2.03E 00	1.34E 00	0.82E 01	3.33E 01			
89	4.00	24.00			1.163E 01	2.03E 00	1.34E 00	0.82E 01	3.33E 01			
90	4.00	25.00			5.875E 01	1.03E 00	4.23E 00	0.51E 01	1.47E 01			
91	4.00	26.00			7.950E 01	1.03E 00	4.23E 00	0.51E 01	1.47E 01			
92	4.00	27.00			4.66E 01	1.03E 00	4.23E 00	0.51E 01	1.47E 01			
93	4.00	28.00			3.852E 01	7.78E 00	3.75E 00	0.45E 01	1.47E 01			
94	4.00	29.00			3.374E 01	7.66E 00	3.75E 00	0.45E 01	1.47E 01			
95	4.00	30.00			0.235E 02	0.00	0.00	0.00	0.00			
96	4.00	31.00			1.375E 02	2.42E 01	1.02E 01	0.24E 02	0.56E 02			
97	4.00	32.00			1.212E 02	1.78E 01	0.81E 01	0.24E 02	0.56E 02			
98	4.00	33.00			1.192E 02	2.05E 01	0.81E 01	0.24E 02	0.56E 02			
99	4.00	34.00			1.360E 02	2.40E 01	0.81E 01	0.24E 02	0.56E 02			
100	4.00	35.00			1.151E 02	2.67E 01	0.81E 01	0.24E 02	0.56E 02			
101	4.00	36.00			1.034E 02	1.80E 01	0.62E 01	0.24E 02	0.56E 02			
102	4.00	37.00			1.47E 02	2.32E 01	0.62E 01	0.24E 02	0.56E 02			
103	4.00	38.00			1.47E 02	2.32E 01	0.62E 01	0.24E 02	0.56E 02			
104	4.00	39.00			1.47E 02	2.32E 01	0.62E 01	0.24E 02	0.56E 02			
105	4.00	40.00			1.47E 02	2.32E 01	0.62E 01	0.24E 02	0.56E 02			
106	4.00	41.00			1.47E 02	2.32E 01	0.62E 01	0.24E 02	0.56E 02			
107	4.00	42.00			1.47E 02	2.32E 01	0.62E 01	0.24E 02	0.56E 02			
108	4.00	43.00			1.47E 02	2.32E 01	0.62E 01	0.24E 02	0.56E 02			
109	4.00	44.00			1.47E 02	2.32E 01	0.62E 01	0.24E 02	0.56E 02			
110	4.00	45.00			1.47E 02	2.32E 01	0.62E 01	0.24E 02	0.56E 02			
111	4.00	46.00			1.47E 02	2.32E 01	0.62E 01	0.24E 02	0.56E 02			

MONTH = MAY NAS PIRAZAF  
PERIOD = 1200 TO 1300 HOURS ON A WEEKDAY

RECEPTOR NUMBER	RECEPTOR LOCATION		RECEPTOR CONCENTRATION DATA FROM TOTAL SOURCES					EXPECTED ARITHMETIC MEAN	
	(KILOMETERS) X	(KILOMETERS) Y	CC	PC	(MICROGRAMS/ML) NCX	PETERI	FT	SO2	
1113	6.00	15.00	6.045E 01	1.065E 01	4.474E 00	1.257E 00	1.655E 00		
1114	7.00	0.00	-1.474E-02	-2.585E-03	1.00	0.00	0.00		
1115	7.00	3.00	3.655E 02	3.758E 01	1.640E 01	6.345E 00	3.323E 00		
1117	7.00	4.00	2.015E 02	3.786E 01	1.624E 01	5.357E 00	3.970E 00		
1119	7.00	5.00	1.042E 02	1.833E 01	7.755E 00	3.535E 00	3.520E 00		
1120	7.00	6.00	1.785E 02	3.183E 01	1.301E 01	3.253E 00	3.147E 00		
1121	7.00	7.00	1.102E 02	1.945E 01	8.040E 00	2.005E 00	2.587E 00		
1122	7.00	8.00	1.163E 02	2.032E 01	8.474E 00	2.071E 00	2.508E 00		
1123	7.00	9.00	2.548E 02	4.374E 01	1.597E 01	2.461E 00	1.432E 00		
1124	7.00	10.00	1.890E 02	3.250E 01	1.448E 01	2.321E 00	1.089E 00		
1125	7.00	11.00	1.376E 02	2.422E 01	1.035E 01	2.252E 00	4.779E 00		
1126	7.00	12.00	1.575E 02	2.105E 01	8.991E 00	3.003E 00	4.022E 00		
1127	7.00	13.00	1.029E 02	1.804E 01	7.785E 00	3.301E 00	3.385E 00		
1128	6.00	14.00	2.071E 02	3.634E 01	1.568E 01	4.012E 00	8.957E 00		
1129	6.00	15.00	2.645E 02	4.640E 01	2.005E 01	7.175E 00	1.117E 00		
1130	6.00	16.00	2.725E 02	4.825E 01	2.102E 01	8.045E 00	1.177E 00		
1131	6.00	17.00	1.585E 02	2.134E 01	8.856E 00	3.231E 00	3.359E 00		
1132	6.00	18.00	5.713E 01	1.547E 01	6.953E 00	1.674E 00	2.480E 00		
1133	6.00	19.00	5.534E 01	9.551E 00	4.422E 00	1.674E 00	1.633E 00		
1134	6.00	20.00	5.643E 02	6.248E 01	2.875E 00	1.623E 00	2.423E 00		
1135	6.00	21.00	5.880E 01	1.728E 01	7.759E 00	3.671E 00	1.433E 00		
1136	6.00	22.00	3.135E 02	3.705E 01	1.623E 00	5.173E 00	3.360E 00		
1137	6.00	23.00	1.702E 02	3.013E 01	1.152E 00	5.475E 00	6.235E 00		
1138	6.00	24.00	-1.255E-03	-1.273E-03	-5.495E-04	-2.275E-04	-3.131E-04		
1139	6.00	25.00	2.004E 02	3.512E 01	1.451E 00	5.874E 00	3.711E 00		
1140	6.00	26.00	2.558E 02	5.122E 01	2.031E 01	9.166E 00	1.181E 01		

MONTH - MAY NAS MIRAF  
PERIOD - 1200 TO 1300 HOURS ON A WEEKDAY

RECEIVER		RECEIVER CONCENTRATION DATA FROM TOTAL										EXPECTED ARITHMETIC MEAN	
NUMBER	LOCATION	SCALES											
	(KILOMETERS)	(MICROGRAMS/CL. METER)										FT	SD
	X	Y	CC	HC	MCX	FT	SD						
145	5:00	5:00	2:09E 02	3:770E 01	1:636E 01	8:15E 00	1:15E 00						
146	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
147	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
148	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
149	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
150	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
151	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
152	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
153	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
154	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
155	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
156	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
157	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
158	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
159	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
160	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
161	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
162	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
163	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
164	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
165	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
166	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
167	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
168	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
169	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
170	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
171	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
172	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
173	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
174	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
175	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
176	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
177	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
178	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
179	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
180	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
181	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
182	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
183	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						
184	5:00	5:00	1:20E 02	1:420E 01	1:73E 00	3:30E 00	3:30E 00						

MONTH - MAY NBS MIRAPAR  
 PERIOD - 1200 TO 1300 HOURS ON A WEEKDAY

RECEIVER NUMBER	RECEIVER LOCATION		RECEIVED CONCENTRATION DATA FROM TOTAL SCALERS										EXPECTED ARITHMETIC MEAN	
	(KILOMETERS) X	Y	CO	PC	(MICROGRAMS/CC) NCX	PT	SCZ							
186	11.00	5.00	1.865E 02	5.526E 01	1.354E 01	7.83E 01	4.401E 00							
187	11.00	10.00	1.838E 02	3.204E 01	1.165E 01	3.742E 01	3.18E 00							
188	11.00	12.00	2.568E 02	3.232E 01	2.418E 01	2.01E 01	1.15E 01							
190	11.00	13.00	3.289E 02	6.154E 01	2.637E 01	1.47E 01	1.327E 01							
191	11.00	14.00	3.703E 02	6.810E 01	2.90E 01	1.44E 01	1.46E 01							
192	12.00	0.00	4.781E 00	8.387E 01	3.620E 01	1.401E 01	2.067E 01							
193	12.00	1.00	1.070E 02	5.864E 01	1.417E 01	1.234E 01	2.067E 01							
194	12.00	2.00	8.530E 01	4.555E 01	1.117E 01	1.052E 01	2.067E 01							
195	12.00	3.00	2.075E 02	4.533E 01	1.822E 01	1.052E 01	2.067E 01							
196	12.00	4.00	1.324E 01	9.77E 01	1.295E 01	1.31E 01	1.052E 01							
197	12.00	5.00	8.823E 01	2.226E 01	8.47E 01	1.31E 01	1.052E 01							
200	12.00	6.00	2.910E 02	9.902E 01	2.442E 01	1.55E 01	1.052E 01							
201	12.00	7.00	2.027E 02	6.171E 01	2.024E 01	1.55E 01	1.052E 01							
202	12.00	8.00	2.202E 02	5.045E 01	2.024E 01	1.55E 01	1.052E 01							
203	12.00	9.00	2.677E 02	5.245E 01	3.012E 01	1.55E 01	1.052E 01							
204	12.00	10.00	2.050E 02	6.437E 01	2.272E 01	1.55E 01	1.052E 01							
205	12.00	11.00	3.523E 02	6.752E 01	2.884E 01	1.55E 01	1.052E 01							
206	12.00	12.00	1.850E 01	3.245E 01	1.401E 01	1.55E 01	1.052E 01							
207	12.00	13.00	3.44E 01	1.352E 01	4.527E 00	1.55E 01	1.052E 01							
208	12.00	14.00	1.156E 02	2.584E 01	9.42E 00	1.55E 01	1.052E 01							
209	12.00	15.00	8.388E 01	2.006E 01	7.324E 00	1.55E 01	1.052E 01							
210	12.00	16.00	7.203E 01	1.863E 01	7.841E 00	1.55E 01	1.052E 01							
211	12.00	17.00	7.538E 01	2.006E 01	7.324E 00	1.55E 01	1.052E 01							
212	12.00	18.00	1.225E 02	3.585E 01	1.635E 01	1.55E 01	1.052E 01							
213	12.00	19.00	1.794E 02	4.236E 01	1.860E 01	1.55E 01	1.052E 01							
214	12.00	20.00	2.581E 02	5.337E 01	2.317E 01	1.55E 01	1.052E 01							
215	12.00	21.00	1.794E 02	4.236E 01	1.860E 01	1.55E 01	1.052E 01							
216	12.00	22.00	2.581E 02	5.337E 01	2.317E 01	1.55E 01	1.052E 01							

MONTH - MAY WAS REAPAR PERICE - 1200 TO 1300 HOURS ON A WEEKDAY

RECEIVER NUMBER	RECEIVER LOCATION		RECEIVER CONCENTRATION DATA FROM TOTAL										SOURCE	
	X	Y	CO	LC	PC	MC	MT	ST	SC	SC	SC	SC	SC	SC
22221	14.00	14.00	2.333E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01
22222	14.00	14.00	1.167E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01
22223	14.00	14.00	3.303E-01	7.500E-01	7.500E-01	7.500E-01	7.500E-01	7.500E-01	7.500E-01	7.500E-01	7.500E-01	7.500E-01	7.500E-01	7.500E-01
22224	14.00	14.00	2.691E-01	6.000E-01	6.000E-01	6.000E-01	6.000E-01	6.000E-01	6.000E-01	6.000E-01	6.000E-01	6.000E-01	6.000E-01	6.000E-01
22225	14.00	14.00	1.029E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01
22226	14.00	14.00	6.970E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01
22227	14.00	14.00	5.030E-01	1.250E-01	1.250E-01	1.250E-01	1.250E-01	1.250E-01	1.250E-01	1.250E-01	1.250E-01	1.250E-01	1.250E-01	1.250E-01
22228	14.00	14.00	5.062E-01	1.250E-01	1.250E-01	1.250E-01	1.250E-01	1.250E-01	1.250E-01	1.250E-01	1.250E-01	1.250E-01	1.250E-01	1.250E-01
22229	14.00	14.00	6.240E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01
22230	14.00	14.00	1.031E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01
22231	14.00	14.00	2.364E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01
22232	14.00	14.00	2.135E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01
22233	14.00	14.00	1.125E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01
22234	14.00	14.00	6.384E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01
22235	14.00	14.00	3.010E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01	5.000E-01
22236	14.00	14.00	1.033E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01	2.250E-01
22237	14.00	14.00	5.256E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01
22238	14.00	14.00	4.072E-01	1.000E-01	1.000E-01	1.000E-01	1.000E-01	1.000E-01	1.000E-01	1.000E-01	1.000E-01	1.000E-01	1.000E-01	1.000E-01
22239	14.00	14.00	4.985E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01	1.500E-01
22240	14.00	14.00	1.400E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01	2.500E-01
22241	14.00	14.00	1.711E-01	3.000E-01	3.000E-01	3.000E-01	3.000E-01	3.000E-01	3.000E-01	3.000E-01	3.000E-01	3.000E-01	3.000E-01	3.000E-01
22242	14.00	14.00	2.199E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01
22243	14.00	14.00	2.065E-01	3.500E-01	3.500E-01	3.500E-01	3.500E-01	3.500E-01	3.500E-01	3.500E-01	3.500E-01	3.500E-01	3.500E-01	3.500E-01
22244	14.00	14.00	2.288E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01
22245	14.00	14.00	2.367E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01	4.000E-01



MCNTH = MAY AAS MIRAPAPR 1200 TC 1300 HOURS ON A WEEKDAY

RECEPCTP NUMBER	RECEPCTP LOCATION	RECEPCTP CONCENTRATION DATA FROM TCAL										SCUFES	
		EXPECTED ARITHMETIC MEAN											
		(KILCPETERS)		CC		PC		(MICROGRAMS)		PETER		FT	
		X	Y					MCX					SD2
260		16.00	3.00	1.227E-01	02	2.545E-02	02	9.570E-03	02	2.671E-03	00	2.580E-03	00
261		16.00	4.00	1.208E-02		2.055E-01		8.611E-00		1.850E-00		2.054E-00	
262		16.00	5.00	1.458E-02	02	2.544E-01	01	1.040E-01	01	2.264E-00	00	1.060E-00	00
263		16.00	6.00	5.052E-01	01	9.375E-00	00	3.021E-00	00	1.234E-00	00	1.060E-00	00
264		16.00	7.00	3.314E-01		6.557E-00		4.593E-00		5.555E-00		1.060E-00	
265		16.00	8.00	3.161E-01	01	7.462E-00	00	4.593E-00	00	5.555E-00	00	1.060E-00	00
266		16.00	9.00	4.222E-01	01	1.032E-01	01	5.775E-00	00	6.652E-00	00	1.060E-00	00
267		16.00	10.00	4.873E-01	01	1.124E-01	01	9.413E-00	00	7.300E-00	00	1.060E-00	00
268		16.00	11.00	1.150E-02		3.135E-01		1.113E-01	01	1.054E-01	01	1.060E-00	00
269		16.00	12.00	1.333E-05	02	3.515E-02	01	1.560E-01	01	1.240E-01	01	1.060E-00	00
270		16.00	13.00	3.988E-05		6.955E-00		1.302E-00	00	1.125E-00	00	1.060E-00	00
271		17.00	14.00	1.745E-02	02	3.080E-01	01	8.978E-00	00	3.470E-00	00	1.060E-00	00
272		17.00	15.00	1.866E-04	01	2.080E-00	00	2.255E-00	00	2.470E-00	00	1.060E-00	00
273		17.00	16.00	3.593E-01	01	6.225E-00	00	1.255E-00	00	8.978E-00	00	1.060E-00	00
274		17.00	17.00	5.913E-01	01	1.025E-01	01	4.203E-00	00	9.070E-00	00	1.060E-00	00
275		17.00	18.00	3.897E-01	01	1.160E-01	01	2.835E-00	00	9.070E-00	00	1.060E-00	00
276		17.00	19.00	3.954E-01	01	6.967E-00	00	2.835E-00	00	9.070E-00	00	1.060E-00	00
277		17.00	20.00	2.573E-01	01	4.935E-00	00	1.900E-00	00	5.555E-00	00	1.060E-00	00
278		17.00	21.00	2.455E-01	01	5.170E-00	00	2.100E-00	00	5.555E-00	00	1.060E-00	00
279		17.00	22.00	2.703E-01	01	6.100E-00	00	2.600E-00	00	1.125E-00	00	1.060E-00	00
280		17.00	23.00	3.124E-01	01	7.360E-00	00	3.400E-00	00	3.470E-00	00	1.060E-00	00
281		17.00	24.00	3.644E-01	01	1.570E-01	01	7.751E-00	00	3.470E-00	00	1.060E-00	00
282		17.00	25.00	3.644E-01	01	1.570E-01	01	7.751E-00	00	3.470E-00	00	1.060E-00	00
283		17.00	26.00	9.408E-01	01	1.570E-01	01	9.110E-00	00	7.050E-00	00	1.060E-00	00
284		17.00	27.00	1.000E-02		2.220E-01		1.030E-01	01	9.070E-00	00	1.060E-00	00
285		18.00	28.00	1.467E-00	00	2.573E-07	07	1.110E-00	00	9.070E-00	00	1.060E-00	00
286		18.00	29.00	1.095E-05		1.920E-00	00	8.255E-00	00	9.070E-00	00	1.060E-00	00
287		18.00	30.00	3.110E-05		4.833E-00	00	1.255E-00	00	2.265E-00	00	1.060E-00	00
288		18.00	31.00	1.533E-01	01	2.602E-00	00	1.080E-00	00	2.265E-00	00	1.060E-00	00
289		18.00	32.00	3.779E-01	01	6.365E-00	00	2.255E-00	00	2.265E-00	00	1.060E-00	00
290		18.00	33.00	3.578E-01	01	6.074E-00	00	2.540E-00	00	2.265E-00	00	1.060E-00	00
291		18.00	34.00	1.804E-01	01	3.355E-00	00	1.530E-00	00	2.265E-00	00	1.060E-00	00



PCNTH = MAY PERICC = 1200 TC 1300 HOURS CM A WEEKDAY

RECEIPTER NUMBER	RECEIPTER CONCENTRATION DATA FROM TCIAL										SCIPCES	
	RECEIPTER LOCATION		EXPECTED ARITHMETIC MEAN									
	(MILCH) REFS) X	Y	CC	P-C	(MILCH) GRAMS/CL. MCH	PETER) FT	SC2					
257	15.00	6.00	1.83E 01		3.56E 00	1.39E 00	4.57E 01	4.40E 01				
258	15.00	10.00	3.18E 01		4.84E 00	1.39E 00	3.32E 01	5.35E 01				
259	15.00	11.00	3.04E 01		7.81E 00	3.34E 00	2.45E 00	1.03E 00				
001	15.00	12.00	5.54E 01		1.14E 01	5.35E 00	4.12E 00	1.67E 00				
002	15.00	13.00	5.64E 02		2.12E 01	9.94E 00	6.60E 00	2.35E 00				
003	15.00	14.00	1.13E 01		2.02E 01	9.60E 00	7.24E 00	3.22E 00				
004	15.00	15.00	1.02E 02		9.06E 02	3.33E 03	7.26E 04	8.98E 04				
005	15.00	16.00	3.34E 01		1.52E 01	3.05E 00	5.74E 01	7.40E 01				
006	15.00	17.00	2.32E 01		4.24E 00	1.04E 00	3.65E 01	7.75E 01				
007	15.00	18.00	2.53E 01		4.24E 00	1.04E 00	4.23E 01	4.80E 01				
008	15.00	19.00	1.54E 01		3.70E 00	1.10E 00	4.23E 01	4.80E 01				
009	15.00	20.00	1.53E 01		3.70E 00	1.10E 00	3.35E 01	3.15E 01				
010	15.00	21.00	2.22E 01		3.70E 00	1.10E 00	3.35E 01	3.15E 01				
011	15.00	22.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
012	15.00	23.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
013	15.00	24.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
014	15.00	25.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
015	15.00	26.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
016	15.00	27.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
017	15.00	28.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
018	15.00	29.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
019	15.00	30.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
020	15.00	31.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
021	15.00	32.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
022	15.00	33.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
023	15.00	34.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
024	15.00	35.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
025	15.00	36.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
026	15.00	37.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
027	15.00	38.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
028	15.00	39.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
029	15.00	40.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
030	15.00	41.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
031	15.00	42.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
032	15.00	43.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
033	15.00	44.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
034	15.00	45.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
035	15.00	46.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
036	15.00	47.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
037	15.00	48.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
038	15.00	49.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
039	15.00	50.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
040	15.00	51.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
041	15.00	52.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
042	15.00	53.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
043	15.00	54.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
044	15.00	55.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
045	15.00	56.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
046	15.00	57.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
047	15.00	58.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
048	15.00	59.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
049	15.00	60.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
050	15.00	61.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
051	15.00	62.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
052	15.00	63.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
053	15.00	64.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
054	15.00	65.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
055	15.00	66.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
056	15.00	67.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
057	15.00	68.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
058	15.00	69.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
059	15.00	70.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
060	15.00	71.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
061	15.00	72.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
062	15.00	73.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
063	15.00	74.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
064	15.00	75.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
065	15.00	76.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
066	15.00	77.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
067	15.00	78.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
068	15.00	79.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
069	15.00	80.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
070	15.00	81.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
071	15.00	82.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
072	15.00	83.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
073	15.00	84.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
074	15.00	85.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
075	15.00	86.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
076	15.00	87.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
077	15.00	88.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
078	15.00	89.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
079	15.00	90.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
080	15.00	91.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
081	15.00	92.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
082	15.00	93.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
083	15.00	94.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
084	15.00	95.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
085	15.00	96.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
086	15.00	97.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
087	15.00	98.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
088	15.00	99.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
089	15.00	100.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
090	15.00	101.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
091	15.00	102.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
092	15.00	103.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
093	15.00	104.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
094	15.00	105.00	3.60E 01		5.52E 01	2.28E 00	3.35E 01	3.15E 01				
095	15.00	106.00	3									

MCNTH = MAY  
 NAS PIPPAR  
 PERICE - 1200 TO 1300 HOURS ON A WEEKDAY

RECECTOR		RECECTOR LOCATION		RECECTOR CONCENTRATION DATA FROM TOTAL		EXPECTED ARITHMETIC MEAN		SOURCES	
RECECTOR NUMBER	X	Y	Z	CO	LC	MC	ST	SO	ST
2348	20.00	13.00	13.00	5.55E-01	1.43E-01	3.62E-00	3.53E-00	1.65E-00	0.00
2349	20.00	14.00	15.00	5.33E-01	1.43E-01	4.15E-00	3.53E-00	1.49E-00	0.00
2350	21.00	11.00	12.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2351	21.00	12.00	13.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2352	21.00	13.00	14.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2353	21.00	14.00	15.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2354	21.00	15.00	16.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2355	21.00	16.00	17.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2356	21.00	17.00	18.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2357	21.00	18.00	19.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2358	21.00	19.00	20.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2359	21.00	20.00	21.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2360	21.00	21.00	22.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2361	21.00	22.00	23.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2362	21.00	23.00	24.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2363	21.00	24.00	25.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2364	21.00	25.00	26.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2365	21.00	26.00	27.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2366	21.00	27.00	28.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2367	21.00	28.00	29.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2368	21.00	29.00	30.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2369	21.00	30.00	31.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00
2370	21.00	31.00	32.00	1.00E-01	1.55E-01	0.00E-00	0.00E-00	0.00E-00	0.00

PCATH - PAY NAS PERMAP  
PERICC - 1200 TO 1300 HOURS CN A WEEKDAY

RECEIPT ALPES	RECEIPT LOCATION	RECEIPTOR CONCENTRATION DATA FROM TOTAL				EXPECTED ARITHMETIC MEAN			
		CO		HCL		PT		SO2	
	(KILOMETERS) X	Y							
371	22:00	200	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03
372	22:00	400	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03
373	22:00	700	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03
374	22:00	1000	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03
375	22:00	1300	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03
376	22:00	1600	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03
377	22:00	1900	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03
378	22:00	2200	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03
379	22:00	2500	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03
380	22:00	2800	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03
381	22:00	3100	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03
382	22:00	3400	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03
383	22:00	3700	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03
384	22:00	4000	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03
385	22:00	4300	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03
386	22:00	4600	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03
387	22:00	4900	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03
388	22:00	5200	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03
389	22:00	5500	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03
390	22:00	5800	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03
391	22:00	6100	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03
392	22:00	6400	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03
393	22:00	6700	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03
394	22:00	7000	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03
395	22:00	7300	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03
396	22:00	7600	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03
397	22:00	7900	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03
398	22:00	8200	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03
399	22:00	8500	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03
400	22:00	8800	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03

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